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**DATA PROCESSING DIVISION
ETAC, USAF
Air Weather Service (MATS)**

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SEATTLE WASHINGTON FWC
N 47 41 W 122 16 ELEV 47 FT. KNEJ

WBAN #24244
WMO #

PARTS A-F
POR FROM HOURLY OBS MAR 45-DEC 48
POR FROM DAILY OBS MAR 45-DEC 68

AUG 28 1970

**FEDERAL BUILDING
ASHEVILLE, N. C.**

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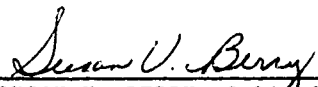
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FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS- 79/076	2 GOVT ACCESSION NO	3. RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Seattle FWS, Washington		5 TYPE OF REPORT & PERIOD COVERED Final rept.															
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17 DISTRIBUTION STATEMENT (of the abstract entered in block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Seattle FWC, Washington It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviation; of dry-bulb, wet-bulb (over)																	

DD FORM 1 JAN 73 1473

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Washington *

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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REVISED

UNIFORM SUMMARY

OF

SURFACE WEATHER OBSERVATIONS

STATION	STATION NAME	LATITUDE	LONGITUDE	ST. ELEV. FT.	CALL SIGN AND NO.
24744	SEATTLE WASHINGTON FIC	N 47 41	W 122 30	17	KMRG

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS AR 45-DEC 68

FOR DAILY OBSERVATIONS MAR 45-DEC 68

SUMMARY

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, AND MEAN TEMPERATURES
EXTREME MAX AND MIN TEMPERATURES
PSYCHROMETRIC- DRY VS WET BULB
MEANS & STD DEV- DRY BULB, WET BULB, AND DEW POINT
RELATIVE HUMIDITY

PART F STATION PRESSURE
SEA LEVEL PRESSURE

0 24 6 01 11

FORM 66
OCT 66

SPECIAL SUMMARY USAF ETAC

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	ELEV. (FT.)	CALL SIGN	WMO NUMBER
24244	Seattle, Washington	47° 41'N	122° 16'W	Field STN 37 47	KNEJ	—

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			(FT)	TYPE BAROMETER	
1.	Second deck of Operations Building (#264)	Navy	Unkn	Jan 1968	47° 41'N	122° 16'W	49.9	mercurial	24
1a.	Weather service office	Navy	Unkn	—	47° 41'N	122° 16'W	—	aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT
		LOCATION Transmitter	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE MSL	
1.	Installed	Roof of control tower	selsyn	triple	122'	1. Barograph (AERO-1932-USN) 2. Max & Min air therm. (Townsend) 3. Hygrothermograph (AERO-1932-USN) 4. Ceiling light (ML-121) 5. Cloud height set (GMQ-13B) 6. Theodolite (shore type) 7. Radiosonde/Rawinsonde set (AN/FMQ-2A)
2.	Installed	Roof of control tower	UMQ-5	RD-108	102'	
3.	Unkn	1500' east of Bldg. #264	UMQ-5	RD-108B	47'	

NW3ED, Federal Building

CONTINUED ON REVERSE SIDE

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

Revised UNIFORM SUMMARY of SURFACE WEATHER OBSERVATIONS

DESCRIPTION OF SUMMARIES:

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

HOURLY OBSERVATIONS are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

STANDARD 3-HOUR GROUPS All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

WEATHER CONDITIONS

24244 STATION SEATTLE WASHINGTON T.C.
STATION NAME

40-08

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		21.2	.0	3.0		23.7	14.9	3.0			14.9	2003
	03-05		27.3	.2	2.3		24.4	14.7	2.4			16.4	2010
	06-08		23.4	.3	3.5		25.6	15.2	2.3			16.5	2015
	09-11		21.0	.2	4.3		25.0	16.4	5.6			20.7	2013
	12-14		21.8		4.1		25.3	12.7	7.6			17.0	2012
	15-17		22.5		3.6		25.3	12.1	8.0	.2		18.7	2011
	18-20		21.6		3.1		24.4	10.7	6.1	.1		15.3	2014
	21-23		21.4		3.1		24.2	13.7	4.1	.1		16.3	2014
TOTALS			21.9	.1	3.4		24.9	13.8	4.9	.1		17.5	16100

DATA PROCESSING DIVISION
ETAG, USAF
ASHEVILLE, N. C. 28601

WEATHER CONDITIONS

29244
STATION

SEATTLE WASHINGTON TMC
STATION NAME

40-6R

YEARS

1 E 4
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1 E	00-02		22.2		1.4		23.3	12.2	5.0			15.7	1834
	03-05		22.6		2.1		24.4	14.2	4.2			16.7	1839
	06-08		20.8		2.4	.1	22.7	17.1	3.6			19.6	1838
	09-11		17.4		2.2		19.2	15.7	7.3			21.8	1837
	12-14	.1	19.6		1.9	.1	21.0	8.7	8.1			15.9	1838
	15-17		20.9		2.0		22.7	8.4	7.5			14.9	1838
	18-20	.1	20.9	.1	1.5	.1	22.5	6.9	7.1			13.1	1838
	21-23	.1	20.6		1.1		21.5	6.5	5.3			11.2	1838
TOTALS		.0	20.6	.0	1.3	.0	22.2	11.2	6.0			16.1	1470

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 2880.

WEATHER CONDITIONS

24244 STATION SEATTLE WASHINGTON 40000 MAR
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLUSH	HAUL	IF OBS. WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
01-02		.1	18.7	.1	1.2		19.3	7.3	2.6			9.2	2015
03-05		.1	20.4	.2	1.4		21.5	11.6	2.6			13.1	2014
06-08		.1	21.1	.1	1.5		22.3	16.1	4.0			18.5	2015
09-11		.1	16.6	.1	1.2	.1	17.9	10.1	7.0	.0		15.5	2015
12-14		.2	17.1	.1	.5	.1	18.6	4.3	6.1	.1		9.7	2015
15-17		.1	18.9	.1	1.2		19.9	3.4	4.2			7.1	2015
18-20		.1	18.9	.1	1.1	.1	20.0	5.8	4.1			7.5	2015
21-23		.1	17.3	.3	1.4		18.7	3.4	3.3			3.9	2014
TOTALS		.1	18.6	.2	1.3	.0	19.8	7.5	4.2	.0		10.8	10110

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON PAC
STATION NAME

46-68

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		14.3				14.3	4.6	1.5			5.8	1950
	03-05		14.4		.1		14.5	9.8	2.1			11.2	1950
	06-08		14.8		.1		14.8	14.8	3.9			17.3	1950
	09-11		12.7		.1		12.7	5.2	6.9			11.7	1950
	12-14	.1	13.2				13.2	2.1	5.4			7.2	1950
	15-17	.3	14.9		.1	.2	14.9	1.1	2.8			3.8	1949
	18-20	.3	16.5		.1	.2	16.5	1.3	2.6			3.9	1950
	21-23		15.2		.1		15.3	1.5	2.0			3.3	1949
TOTALS		.1	14.5		.1	.0	14.5	5.0	3.4			8.1	15595

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

65-68
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		10.4				10.4	1.3	1.2			2.4	2108
	03-05	.1	11.8				11.8	6.9	2.3			8.6	2108
	06-08		11.6				11.6	8.9	5.2			13.3	2108
	09-11	.0	9.4				9.4	3.6	5.5			8.4	2108
	12-14	.1	8.9				8.9	1.7	4.3			5.7	2108
	15-17	.4	10.6				10.6	.9	2.1			3.0	2108
	18-20	.4	11.0				11.0	1.4	2.0			3.4	2107
	21-23	.3	10.7				10.7	1.2	1.3			2.5	2107
TOTALS		.2	10.5				10.5	3.2	3.0			5.9	16862

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.0	10.9				10.9	1.9	.3			1.7	2040
	03-05	.0	12.4				12.4	5.8	1.4			6.9	2040
	06-08		12.1				12.1	6.8	3.7			10.3	2040
	09-11		10.0				10.0	3.3	5.2			8.5	2040
	12-14	.1	9.9				9.9	1.8	3.6			5.2	2040
	15-17	.1	9.8				9.8	.9	2.0			2.8	2039
	18-20	.0	10.1				10.1	1.5	1.7			3.1	2040
	21-23	.0	10.8				10.8	.9	1.0			1.9	2037
TOTALS		.1	10.8				10.8	2.9	2.4			5.1	16316

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	TOTAL TURNS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.1	4.4				4.4	1.1	.6			1.7	2169
	03-05	.1	6.3				6.3	4.1	1.2			5.3	2169
	06-08	.0	5.7				5.7	7.2	3.3			10.4	2168
	09-11		5.3				5.3	3.6	6.7		.0	10.1	2169
	12-14		3.6				3.6	1.1	5.3			6.4	2169
	15-17	.0	4.1				4.1	.5	2.6			3.1	2170
	18-20	.0	3.3				3.3	.4	2.0			2.4	2167
	21-23	.1	3.9				3.9	.5	.9			1.4	2166
TOTALS		.1	4.6				4.6	2.3	2.8		.0	5.1	17347

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

43-68
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.0	6.5				6.5	3.0	2.5			5.1	2169
	03-05	.1	6.8				6.8	10.6	2.9			12.6	2170
	06-08	.0	8.8				8.8	18.2	6.2			23.5	2170
	09-11		6.1				6.1	8.7	12.4			19.8	2170
	12-14	.1	4.5				4.5	3.1	9.9			12.1	2170
	15-17	.2	4.9				4.9	1.3	4.9			6.2	2170
	18-20	.2	4.7				4.7	1.6	4.4			5.9	2170
	21-23	.0	5.4				5.4	1.3	3.5			4.5	2170
TOTALS		.1	6.0				6.0	6.0	5.8			11.2	17359

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

43-68
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.0	8.0				8.0	13.1	6.6			17.3	2100
	03-05	.0	9.2				9.2	26.4	6.6			29.1	2100
	06-08	.0	10.2				10.2	40.2	9.3			45.1	2100
	09-11	.0	8.3				8.3	21.0	17.0			34.8	2100
	12-14	.1	7.5				7.2	6.8	18.5			23.9	2100
	15-17	.2	7.0				7.0	3.4	12.1			15.0	2100
	18-20	.4	8.4				8.4	3.4	11.2			14.1	2100
	21-23	.0	9.0				9.0	5.3	8.5			12.5	2098
TOTALS		.1	8.4				8.4	15.0	11.2			24.0	16798

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 SEATTLE WASHINGTON FWC
STATION 7 STATION NAME

45-68

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		13.2				13.2	23.5	8.0			20.8	2170
	03-05		14.7	.0			14.7	30.9	4.8			33.7	2170
	06-08		16.5				16.5	35.4	4.8			38.1	2170
	09-11		13.8				13.8	23.4	11.6			32.6	2170
	12-14	.0	14.4				14.4	8.8	16.0			23.1	2170
	15-17	.2	16.6				16.6	6.3	13.6			20.5	2170
	18-20	.2	13.5				13.5	8.2	14.3			20.3	2170
	21-23	.1	14.2				14.2	13.3	10.9			21.2	2167
TOTALS		.1	13.1	.0			13.1	18.7	10.8			27.3	17357

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244 STATION SEATTLE WASHINGTON FWC 45-08 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.0	22.8		.2		23.0	21.2	3.1			22.9	2099
	03-05		24.1		.4		24.4	23.6	2.9			25.0	2100
	06-08		23.4	.1	.7		24.0	25.2	2.8			26.7	2100
	09-11		20.6		.6		21.1	21.3	7.2			26.8	2100
	12-14	.1	23.8		.9	.1	24.3	13.6	10.0			21.6	2100
	15-17	.1	24.3		.5	.1	24.6	11.3	11.6			21.5	2100
	18-20	.1	23.0		.3		23.2	11.7	9.3			19.3	2100
	21-23	.1	23.1		.4		23.4	13.8	6.5			20.1	2095
TOTALS		.1	23.1	.0	.5	.0	23.5	18.0	6.7			23.0	16794

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

42-68

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		22.9		1.2		23.9	16.6	1.7			17.7	2170
	03-05		25.2		1.7	.1	26.7	16.4	1.5			17.3	2170
	06-08		26.9		2.2		28.6	15.9	1.5			16.9	2170
	09-11	.0	24.4		1.8	.1	26.0	17.8	4.8			21.6	2167
	12-14	.1	22.4	.0	2.1	.0	24.3	13.8	7.3			19.9	2167
	15-17	.1	21.8		1.4	.0	22.9	11.7	7.3			18.5	2169
	18-20	.0	22.3		1.1	.0	23.2	11.1	4.0			14.8	2167
	21-23		21.8		1.1	.1	22.7	14.5	2.4			16.3	2169
TOTALS		.0	23.4	.0	1.6	.1	24.8	14.7	3.8			17.9	17349

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

24246
STATION

SEATTLE WASHINGTON FWC
STATION NAME

49-68

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		21.9	.1	3.4		24.9	13.8	4.9	.1		17.5	16100
FEB		.0	20.6	.0	1.8	.0	22.2	11.2	6.0			16.1	14704
MAR		.1	18.6	.2	1.3	.0	19.8	7.5	4.2	.0		10.8	16118
APR		.1	14.5		.1	.0	14.5	5.0	3.4			8.1	15598
MAY		.2	10.5				10.5	3.2	3.0			5.9	16862
JUN		.1	10.8				10.8	2.8	2.4			3.1	16316
JUL		.1	4.6				4.6	2.3	2.8		.0	5.1	17347
AUG		.1	6.0				6.0	6.0	5.8			11.2	17359
SEP		.1	8.4				8.4	15.0	11.2			24.0	16798
OCT		.1	15.1	.0			15.1	18.7	10.8			27.3	17357
NOV		.1	23.1	.0	.5	.0	23.5	18.0	6.7			23.0	16794
DEC		.0	23.4	.0	1.6	.1	24.8	14.7	3.8			17.9	17347
TOTALS		.1	14.7	.0	.7	.0	15.3	9.9	5.4	.0	.0	14.4	198762

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OEST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.8	77.4	.4	18.8	.8	74.3	45.8	20.4	.4		53.5	712
FEB		1.5	77.3	.3	11.5	1.4	70.3	38.3	23.7			47.1	630
MAR		.9	78.7	.3	8.5	2.2	68.3	30.5	23.0	.3		39.9	744
APR		2.2	72.7		1.1	1.5	60.7	29.0	20.6			37.4	720
MAY		2.8	56.5			.8	47.2	19.4	16.3			28.9	744
JUN		1.9	55.2			.3	46.0	17.9	13.6			25.8	720
JUL		1.1	31.8				26.5	15.6	15.1			24.5	743
AUG		2.4	41.9			.1	34.9	31.7	29.0			44.2	744
SEP		2.4	46.7				38.9	57.1	40.8	.6		64.2	720
OCT		2.4	68.9			.8	57.4	54.3	39.1			61.2	744
NOV		1.7	82.7		3.1	.4	69.3	49.0	25.0			54.7	720
DEC		.3	86.8	.1	11.8	1.3	74.9	46.5	21.2			52.4	744
TOTALS		1.7	64.7	.1	4.6	.8	55.7	36.3	24.0	.1		44.5	8705

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244

SEATTLE, WASHINGTON FWC

JAN 49 - DEC 68

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.9	.7	.5	.1		4.0			15.9	4.4	2.7	.2		67.8
NNE	6.4	2.1	.2			6.9			9.2	5.0	2.1	.2		71.3
NE	10.7	.9	1.8	.1		3.7			17.4	4.0	3.3			64.2
ENE	13.7	.9	1.1			6.4			16.0	4.1	2.7			60.7
E	17.6	1.5	1.8		.3	7.9			11.2	4.1	3.1			50.0
ESE	25.7	2.5	2.2			8.3			8.3	1.9	3.8			53.0
SE	28.7	2.9	2.3			5.7			7.8	3.4	4.2			51.5
SSE	28.5	3.0	3.7	.1		4.4			9.3	1.9	3.5			52.5
S	25.9	3.2	2.3			2.1			5.4	1.7	1.8			62.0
SSW	20.8	4.8	2.1			1.6		.1	4.2	1.1	1.5			67.3
SW	20.8	4.6	1.7			2.9			6.3	1.5	2.3			66.1
WSW	16.5	9.9		.8		.8		.8	5.0	1.7	3.3			63.3
W	16.3	9.3				5.8			5.8	4.7	2.3			58.1
WNW	14.7	2.9				2.9			26.5	2.9	1.5			55.9
NW	8.5	.6	1.3	.3		3.8			13.2	6.9	3.8			67.9
NNW	5.7	.3	.8	.3	.1	3.3			11.8	5.6	2.5	.3		72.2
VARIABLE														
CALM	18.9	.7	2.9	.4		1.8			16.5	6.1	5.0			57.2
TOTAL	2729	350	287	16	3	508		2	15.7	534	417	7		9277
% TOTAL	18.4	2.4	1.9	.1	.0	3.4		.0	10.2	3.6	2.8	.0		62.5

TOTAL NUMBER OF OBSERVATIONS

14,844

NAVWEASERVCOM

STATION FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 FEBRUARY ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIR SMALL HAIR	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NC WEATHER
N	4.6	1.1	.6			1.3			10.2	4.2	6.3			73.9
NNE	6.7	1.3	1.3			2.0			6.0	6.0	2.7			76.3
NE	10.9	1.4	.6		.4	2.3			11.1	6.6	4.3			67.2
ENE	16.5	1.5	.6			4.6			10.1	3.0	1.3			66.5
E	20.8	3.1	1.2	.2		4.7			11.6	3.1	5.1			57.0
ESE	25.8	3.0	1.3			5.4			7.7	1.7	3.7			56.9
SE	25.3	3.3	1.2			3.9		.2	7.9	1.8	6.9			53.6
SSE	28.6	3.1	1.5			2.6			7.6	1.4	3.3			58.8
S	22.1	3.7	1.8			1.4			6.1	1.7	2.6			65.9
SSW	20.5	5.0	1.2			.3	.1	.1	4.5	.9	1.4			70.0
SW	16.2	3.0	.8			2.5			4.8	1.5	3.3			70.5
WSW	24.1	2.3	2.3			2.3			6.9	1.1	1.1			64.4
W	17.4	6.5	1.1			1.1		1.1	14.1		7.6			57.6
WNW	5.9	2.9				2.9			11.8		2.9			76.3
NW	5.1	1.0	.8			2.0			8.8	3.5	7.8			73.5
NNW	4.2	1.1	.8			2.4		.1	6.8	4.9	3.2			79.0
VARIABLE														
CALM	15.7	1.6	2.0		.1	1.0		.1	10.6	6.0	3.4			63.4
TOTAL	2215	363	179	1	3	257	2	6	1059	424	487			9125
% TOTAL	16.4	2.7	1.3	.0	.0	1.9	.0	.0	7.8	3.1	3.6			67.4

TOTAL NUMBER OF OBSERVATIONS 13,547

NAVWEASERVCOM

STOP: 1st WIND DIR. VS WEATHER JAN 68

11

11

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 MARCH ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2	1.6	.4	.3		1.0	.1	.3	7.3	5.2	3.7			79.0
NNE	9.6	1.0	.3	1.0		2.0		1.0	7.9	2.6	1.3			77.2
NE	6.8	1.6	.2	.5		2.3		.5	7.9	3.2	2.3			77.9
ENE	11.6	2.8	.6	.8		3.1		.8	6.5	2.0	1.1			74.5
E	21.1	1.6	.2	1.1		4.1	.2	1.1	6.6	1.6	3.0	.2		64.8
ESE	25.5	3.7	1.1	.4		5.5		.4	3.7	.4	3.0	.7		57.9
SE	26.6	4.0	1.5			2.3			3.3	.8	3.6			60.5
SSE	25.1	4.5	.9			.8			3.2	.9	4.2			63.0
S	18.0	5.6	.9			1.1	.1		3.8	.9	2.5			70.5
SSW	15.5	5.7	1.0			.9			2.5	.4	1.5			74.4
SW	15.4	5.1	.9			1.9			2.8	.2	2.3			74.4
WSW	12.1	6.7	.7		.7	.7			2.7	1.3	2.0			75.8
W	18.5	2.2				1.1			3.3	3.3	3.3			72.8
WNW	12.0	2.0				4.0			4.0					80.0
NW	3.1	1.5	.4			1.8			2.9	1.5	1.5			88.6
NNW	3.4	.8	.4	.3		1.1		.3	4.2	2.0	2.7			87.1
VARIABLE														
CALM	12.9	1.5	1.7	.4		.8		.1	9.5	4.6	4.1			68.2
TOTAL	2090	518	128	.25	1	206	5	.24	737	297	412	3		10670
% TOTAL	14.1	3.5	.9	.2	.0	1.4	.0	.2	5.0	2.0	2.8	.0		73.1

TOTAL NUMBER OF OBSERVATIONS 14,862

NAVWEASERVCOM

5706% FREQ. WIND. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 APRIL ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.9	1.4	.2						3.5	3.3	2.4			86.6
NNE	9.1	1.8	.5			.3	.3	.3	3.8	2.5	1.0			82.2
NE	9.7	2.9	.4			.6	.2	.4	5.5	2.3	1.2			81.1
ENE	8.4	4.2	.6			.3			3.0	.9	.9			83.8
E	16.9	3.7	.8			.3		.3	6.6	.5	1.9			72.5
ESE	14.8	4.3				.3			3.4	.6	3.1			75.3
SE	17.4	3.6	.9		.2	.2			2.7	.5	4.8			72.7
SSE	18.3	2.4	.8						4.8	.6	3.0			73.9
S	13.9	3.8	.9					.1	3.0	.8	2.3			76.6
SSW	11.8	5.3	.5					.1	3.1	.5	2.1			78.0
SW	11.0	6.5	.5						2.6	.5	3.3			77.5
WSW	14.6	8.5						1.2			.6			75.6
W	9.7	7.3						1.6	4.0		3.2			75.8
WNW	7.8								5.9					86.3
NW	4.4	1.8				.3		.3	3.8	1.8	1.5			86.5
NNW	2.7	1.0	.1					.1	3.5	1.2	1.4			90.7
VARIABLE														
CALM	7.2	1.7	.3			.1			5.0	5.0	3.0			80.0
TOTAL	1463	447	70		1	8	2	13	521	222	331			11562
% TOTAL	10.2	3.1	.5		.0	.1	.0	.1	3.6	1.5	2.3			80.3

TOTAL NUMBER OF OBSERVATIONS 14,394

NAVWEASERVCOM

9.3% FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

MAY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.9	1.2	.3					.2	1.9	.6	1.0			99.7
NNE	2.9	3.7	.7						.7	.5	.5			90.8
NE	3.4	3.5	.8					.3	2.5	.5	.5			90.1
ENE	5.8	3.8	1.0				.2	.2	1.7	.6	.4			87.3
E	8.4	6.4	1.7						3.3	1.2	2.4			77.6
ESE	8.9	5.5						.3	1.7	.3	3.1			81.5
SE	11.1	2.3	1.2						2.7	.2	1.9			82.1
SSE	13.4	2.2	.6					.2	1.3	.5	2.1			80.3
S	10.7	3.6	1.2					.1	2.8	.9	1.8			80.8
SSW	10.6	4.0	.3					.2	1.7	.6	1.3			82.4
SW	9.6	4.4	.4					.7	2.3	.9	1.2			82.8
WSW	12.4	4.3						.5	3.2		1.1			80.5
W	2.4	6.5						.8	.8		4.9			84.6
WNW	3.0	5.0								1.7				88.3
NW	2.5	3.0	.5					.5	1.9	1.1	.5			90.7
NNW	1.1	1.4	.1						1.0	1.2	.7			94.7
VARIABLE														
CALM	6.2	1.1	.6						3.1	1.8	2.7			84.0
TOTAL	988	421	90				1	.26	305	125	210			12867
% TOTAL	6.6	2.8	.6				.0	.2	2.1	.8	1.4			86.6

TOTAL NUMBER OF OBSERVATIONS 14,659

NAVWEASERVCOM

5708° FREZ WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 JUNE ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.3	1.2	.9						1.5	.7	.7			93.8
NNE	3.3	1.6	1.3						2.1	.8	.5			92.3
NE	3.6	2.9	.7						2.3	.4	.4			90.8
ENE	6.6	1.9	.9						2.6	.2	1.4			87.7
E	13.3	3.2	1.1						4.1	.6	.6			80.9
ESE	12.9	1.8	.7						.7		1.1			85.3
SE	7.6	2.9	1.2						2.9	.2	3.5			81.7
SSE	8.8	3.9	.9						1.9	.9	2.9			82.9
S	7.3	4.6	1.6						2.7	.6	2.0			83.1
SSW	9.4	5.2	1.9					.3	3.0	.5	1.1			81.4
SW	4.4	4.8	1.7					.2	2.3	.6	1.4			85.6
WSW	7.8	6.8	.5						1.3		1.4			82.6
W	5.5	6.4	1.8					.9	3.7	.9	2.8			81.7
WNW	6.8	9.6							6.5		1.4			78.1
NW	4.6	2.5	.8						3.3	.5	.3			89.9
NNW	1.8	.7	.3					.2	1.2	.4	.9			95.1
VARIABLE														
CALM	3.6	2.4	1.3						2.9	2.6	2.1			85.3
TOTAL	81.7	435	162					.9	325	95	196			12525
% TOTAL	3.7	3.0	1.1					.1	2.3	.7	1.4			87.5

TOTAL NUMBER OF OBSERVATIONS 14,319

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC

JAN 49 - DEC 68

JULY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.8	.5	.1					.1	.9	.4	.6			97.1
NNE	1.6	.8	.5					.1	1.5	.8	.3			94.5
NE	2.8	1.1	1.0						2.4	.8	.3			92.8
ENE	2.1	.4	2.1						2.6	.6	.6			92.1
E	5.3	.9	3.1						2.8	.9	1.2			86.6
ESE	9.0	.5	1.8						1.4		2.3			85.6
SE	1.7	.7	.2						.9	1.1	5.9			80.9
SSE	5.7	1.9	.6						1.7	1.3	6.3			81.9
S	5.1	2.3	.6					.1	1.6	1.4	3.4			86.1
SSW	4.6	4.3	1.3					.2	2.5	1.0	1.8			83.4
SW	2.8	2.3	1.8						3.5	1.3	1.5			87.8
WSW	4.6	3.5	.6					.6	1.7		3.5			86.1
W	1.8	6.3							3.6		3.6		.9	82.8
WNW		3.1							3.1					92.8
NW	.9	.7	.4						3.1	.6	.9			93.7
NNW	.4	.1							.8	.6	.7			97.6
VARIABLE														
CALM	2.0	.9	.6					.1	1.0	1.9	3.1			90.4
TOTAL	377	194	94					10	22	127	262		1	13569
% TOTAL	2.5	1.3	.6					.1	1.6	.9	1.8		.0	91.7

TOTAL NUMBER OF OBSERVATIONS 14,794

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 AUGUST ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	.6	.2					.0	1.5	.9	2.4			93.4
NNE	.8	1.1	.6					.1	2.5	1.5	2.4			91.3
NE	1.6	1.0	1.2						4.2	1.9	2.4			88.4
ENE	2.9	1.3	.4					.2	2.0	3.1	2.7			87.7
E	4.2	2.0	1.4					.6	3.7	3.9	3.1			82.5
ESE	5.6	5.6	.5						2.6	2.0	4.1			71.6
SE	2.6	3.1	.7						2.4	1.4	8.7			81.1
SSE	8.1	3.8	1.4						3.5	1.0	4.9			73.6
S	6.0	3.0	1.5					.0	2.8	1.8	4.3			81.8
SSW	7.0	3.0	1.8					.1	5.2	2.2	3.1			80.4
SW	5.2	3.1	1.8						7.6	.6	3.5			79.4
WSW	4.2	2.8	.9						3.7	.9	3.7			85.6
W	6.1	.7	2.0					.7	3.4	3.4	2.7			83.8
WNW	1.9	1.9	1.9					.9	2.8	1.9	2.8			83.9
NW	1.9	.3	.7					.1	2.9	2.0	2.4			90.5
NNW	.8	.4	.3						2.6	1.0	2.3			93.3
VARIABLE														
CALM	2.5	1.0	.8					.1	5.1	4.2	3.9			82.9
TOTAL	495	256	137					.11	485	253	480			12864
% TOTAL	3.3	1.7	.9					.1	3.3	1.7	3.2			86.7

TOTAL NUMBER OF OBSERVATIONS 14,835

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER - JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC

JAN 49 - DEC 68

SEPTEMBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5	.7	.3					.1	8.5	4.5	6.9			78.7
NNE	2.5	1.1	1.1						12.8	4.3	6.4			72.8
NE	1.8	.8	.6					.3	16.5	5.2	5.5			71.4
ENE	2.6	2.6	.6						14.0	4.5	4.8			71.7
E	8.6	1.6	.9						11.8	4.8	7.5			68.0
ESE	10.8	3.8	3.2						7.0	2.7	13.5			63.8
SE	11.7	2.0	2.7						7.7	2.7	15.5			60.1
SSE	12.9	1.9	2.1					.3	7.7	3.9	10.3			64.1
S	11.5	2.8	1.4					.3	8.1	1.8	9.3			69.4
SSW	9.7	4.5	2.4					.3	7.8	2.1	5.8			72.0
SW	6.2	3.2	2.5						15.7	2.3	11.7			63.6
WSW	7.6	4.3	1.6						16.3	2.2	12.0			59.2
W	10.9	2.5							18.5	2.5	16.8			52.1
WNW	9.4	1.2						1.2	14.1	7.1	4.7			65.2
NW	1.5	.6							10.5	3.8	10.7			75.6
NNW	.8	.3	.1						8.9	4.0	9.0			78.9
VARIABLE														
CALM	2.4	.4	.4					.1	12.1	0.4	0.2			66.3
TOTAL	763	235	135					17	1468	579	1224			10356
% TOTAL	5.3	1.6	.9					.1	10.2	4.0	8.5			72.0

TOTAL NUMBER OF OBSERVATIONS 14,391

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 OCTOBER ALL
STATION STATION NAME YEARS MONTH HOURS (L.B.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND OR DUST	NO WEATHER
N	4.0	.8	1.0					.1	16.7	8.6	11.1			60.1
NNE	3.6	1.2	.2						25.1	7.0	6.5			60.0
NE	6.7	1.1	.8						24.9	7.2	4.7			56.2
ENE	8.0	1.7	.5						22.0	5.3	3.1			62.1
E	15.1	3.4	1.0						16.3	3.8	5.6			58.4
ESE	13.7	3.3	.4						9.1	1.7	7.5			66.8
SE	24.0	4.0	1.3						9.7	2.7	12.1			49.3
SSE	19.6	4.6	.7					.1	7.8	3.3	7.8			61.6
S	19.2	4.2	1.3					.1	7.3	2.7	6.6			66.0
SSW	12.9	5.8	1.4	.1				.1	5.8	1.3	4.8			70.9
SW	14.3	5.9	1.6						7.6	1.6	7.2			65.8
WSW	10.7	7.5	1.3					1.3	8.8	1.3	6.3			68.6
W	15.0	7.1	1.6					.8	9.4	2.4	7.9			59.1
WNW	9.9	3.7	1.2					1.2	9.9	2.5	4.9			67.9
NW	2.9	.7	.9						14.5	3.8	8.4			70.1
NNW	2.3	1.0	.5						13.3	7.7	10.4			67.1
VARIABLE														
CALM	6.0	.9	.8						19.8	9.6	10.4			53.6
TOTAL	1538	433	147	1				.9	1903	747	1188			9341
% TOTAL	10.3	2.9	1.0	.0				.1	12.8	5.0	8.0			62.8

TOTAL NUMBER OF OBSERVATIONS 14,879

NAVWEASERVCOM

5708° FREQUENCY OF WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 NOVEMBER ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG C.OUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.1	.6	.9			.2			17.4	7.7	6.6			62.7
NNE	9.0	1.1				.2			18.4	3.1	4.8			64.1
NE	13.8	2.1	.8	.2					24.8	4.3	2.8			55.7
ENE	13.1	.6	.9			.6			23.9	4.1	4.3			54.5
E	21.6	2.0	1.2			.2			22.9	4.0	3.4			50.5
ESE	28.7	2.5	1.2			1.5			11.4	1.5	2.5			54.6
SE	29.3	2.9	1.4			.2			10.5	3.6	4.0			54.1
SSE	29.4	4.0	2.2			.5			11.3	1.6	4.8			51.8
S	24.1	3.6	1.9			.1		.1	6.5	2.3	3.9			61.9
SSW	19.1	3.2	1.8			.1		.2	4.9	1.7	3.4			67.5
SW	20.0	4.7	1.3			.2	.2	.4	6.2	3.2	6.0			62.0
WSW	20.2	3.7	1.8						8.3	5.5	3.7			64.2
W	24.8	2.0	3.0						19.8	2.0	5.0			47.5
WNW	12.3	1.3	3.3						13.8	3.5	1.8			64.9
NW	10.5	1.0	1.4			.6			19.0	5.2	8.1			60.2
NNW	7.6	.6	.9			.6		.1	15.4	6.9	7.6			67.0
VARIABLE														
CALM	15.0	1.1	1.1			.3			14.6	3.7	6.7			54.9
TOTAL	2607	354	202	1		40	1	8	1938	574	717			8616
% TOTAL	18.2	2.5	1.4	.0		.3	.0	.1	13.5	4.0	5.0			60.0

TOTAL NUMBER OF OBSERVATIONS 14,351

NAVWEASERVCOM

5708% FREQ. WIND, VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 DECEMBER ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.1	1.3	1.4			2.8	.1	.3	13.5	5.2	2.0			62.3
NNE	10.5	.8	1.3			1.0			12.5	4.6	1.3			71.9
NE	10.5	1.1	1.7			2.6		.2	20.8	4.1	2.6			61.4
ENE	13.9	2.5	1.6			2.0		.2	14.9	6.0	2.7			60.0
E	23.4	2.3	2.3	.1	.1	4.5		.1	11.8	1.4	2.4			57.8
ESE	30.7	5.4	2.1			5.1	.3		7.7	2.4				54.5
SE	30.3	2.0	1.7			4.1			11.9	2.3	2.5			52.7
SSE	27.2	3.7	1.6			2.6			7.4	2.2	2.0			53.6
S	22.0	3.2	1.9		.0	.8			5.2	1.5	2.4			66.5
SSW	21.9	4.2	1.7			.4			5.2	1.6	.7			65.3
SW	18.4	2.8	1.4			.7			4.6	1.8	1.9			71.0
WSW	14.3	1.4	1.4			1.4			2.7	1.4	2.0			75.5
W	24.8	3.5			.9	2.7			7.1	1.8	1.8			59.3
WNW	22.2	1.6				1.6	1.6		17.5	1.6	1.6			55.6
NW	10.6	.9	1.8		.6	3.2			15.3	4.1	3.5			63.2
NNW	9.8	.3	.9			2.0		.1	15.4	8.0	2.8			64.9
VARIABLE														
CALM	22.3	.8	1.5			1.6			18.8	5.8	5.0			55.8
TOTAL	2756	359	244	1	5	268	3	7	1548	480	361			9432
% TOTAL	18.6	2.4	1.6	.0	.0	1.8	.0	.0	10.4	3.2	2.4			63.5

TOTAL NUMBER OF OBSERVATIONS 14,863

NAVWEASERVCOM

500% FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24244 SEATTLE, WASHINGTON FWC

JAN 49 - DEC 68

ALL

ALL

5700' FREQ WIND DIR. VS WEATHER, JAN 68

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.4	.9	.5	.0		.5	.0	.1	6.8	3.3	3.5	.0		82.7
NNE	4.6	1.4	.7	.0		.8	.0	.1	7.5	2.8	2.4	.0		81.5
NE	6.4	1.6	.9	.1	.0	.8	.0	.1	11.5	3.2	2.5			75.5
ENE	9.0	1.9	1.0	.1		1.5	.0	.1	10.5	3.0	2.3			73.5
E	15.9	2.6	1.4	.1	.1	2.2	.0	.2	10.5	2.6	3.4	.0		65.4
ESE	18.8	3.5	1.2	.0		2.4	.0	.1	5.6	1.2	3.6	.1		66.7
SE	19.2	2.8	1.4		.0	1.5		.0	6.2	1.8	5.9			64.5
SSE	19.6	3.3	1.4	.0		1.0		.0	5.8	1.6	4.4			66.4
S	16.3	3.7	1.5		.0	.5	.0	.1	4.7	1.5	3.4			71.5
SSW	14.1	4.8	1.4	.0		.3	.0	.1	4.1	1.1	2.3			74.6
SW	11.5	4.2	1.4			.6	.0	.1	5.4	1.3	3.7			74.9
WSW	11.2	5.2	.8	.1	.1	.3		.4	5.0	1.1	3.5			73.0
W	12.2	4.9	.8		.1	.7		.5	7.6	1.7	5.2		.1	68.8
WNW	8.6	3.0	.7			.8	.1	.4	9.8	1.9	2.1			75.5
NW	4.1	1.1	.7	.0	.0	.7		.1	8.2	2.9	4.6			79.7
NNW	2.6	.7	.3	.0	.0	.5		.1	6.0	3.1	3.6	.0		84.8
VARIABLE														
CALM	10.2	1.1	1.3	.1	.0	.6		.0	12.1	5.9	5.1			64.8
TOTAL	18848	4365	1875	45	13	1287	14	142	12034	4457	6285	10		1130404
% TOTAL	10.8	2.5	1.1	.0	.0	.7	.0	.1	6.9	2.5	3.6	.0	.0	74.5

TOTAL NUMBER OF OBSERVATIONS 174,938

NAVWEASERVCOM

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,
~~but has been removed from the summary~~

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

24744
STATION

SEATTLE WASHINGTON FUG
STATION NAME

45-68
YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	.06-10	.11-25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	24.4	12.5	3.1	10.1	7.4	15.4	13.2	8.7	2.9					62.8	682	5.74	10.69	1.81
FEB	29.7	14.6	4.3	10.2	8.2	15.4	5.5	3.8	3.1	.2				55.5	630	4.21	5.20	1.71
MAR	31.7	15.0	2.2	11.2	8.9	15.7	9.6	4.4	.5					52.7	744	3.42	7.38	.75
APR	35.3	14.0	3.2	5.6	10.0	13.2	6.1	1.5	.6					46.1	720	2.34	4.33	.72
MAY	52.8	17.5	2.4	7.3	4.3	8.7	4.3	2.7						29.7	744	1.70	4.57	.32
JUN	54.0	15.4	3.9	7.8	3.0	7.4	5.8	1.8	.3					30.6	720	1.67	3.59	.24
JUL	73.4	10.2	1.0	4.5	2.5	4.9	2.2	.4						16.4	710	.70	2.18	TRACE
AUG	65.1	14.5	1.9	6.2	3.0	4.8	3.8	1.1	.3					20.4	744	1.11	4.00	TRACE
SEP	61.1	12.2	1.5	6.0	5.0	7.2	4.7	2.1	.4					26.7	720	1.71	3.65	.32
OCT	42.6	12.0	2.2	9.1	6.5	11.6	9.3	5.7	1.2					45.4	744	3.59	8.10	.53
NOV	35.7	9.7	2.5	8.9	7.9	17.4	11.8	8.2	2.3	.1				59.6	720	5.34	6.40	.93
DEC	25.1	12.6	2.4	9.1	9.9	16.8	14.1	8.7	1.9					62.1	744	5.19	8.42	2.67
ANNUAL	44.2	13.5	2.5	8.3	6.6	11.5	8.0	4.2	1.1	.0				42.3	8645	36.72		

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

43-68

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

EXTREME VALUES

24244	SEATTLE WASHINGTON FIC
STATION	STATION NAME

45-65

YEARS

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/11AC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

43-68
YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	82.4	10.9	1.8	2.1	1.2	.7	.0	.1	.3					6.7	682	3.7	26.2	.0	
FEB	88.5	8.5	1.1	1.7		.2		.2						3.1	650	.9	5.9	.0	
MAR	91.5	6.0	.7	.7	.1	.1	.1	.1						1.9	744	.8	7.4	.0	
APR	98.8	1.1	.1											.1	720	TRACE	.1	.0	
MAY	100.0														744	.0	.0	.0	
JUN	100.0														720	.0	.0	.0	
JUL	100.0														713	.0	.0	.0	
AUG	100.0														744	.0	.0	.0	
SEP	100.0														720	.0	.0	.0	
OCT	100.0														744	.0	.0	.0	
NOV	90.8	1.9	.1	.4	.1	.3	.1		.1					1.3	720	.9	11.4	.0	
DEC	88.2	8.6	.7	1.3	.4	.3	.1	.1	.3					3.2	744	1.9	10.0	.0	
ANNUAL	95.5	3.1	.4	.5	.1	.1	.1	.0	.1					1.4	8645	8.2	✕	✕	

EXTREME VALUES

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

43-53

YEARS

24 HOUR AMOUNTS IN INCHES

USAF ETAC FORM 0-88-5 (OLI)

EXTREME VALUES

26244	SEATTLE WASHINGTON FWC
STATION	STATION NAME

43-68

YEARS

[illegible]

USAF ETAC FORM 0-88-5 (OLI)
JUL 64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-58
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	90.0	2.2	2.3	1.5	1.6	1.5	.9							7.8	682			
FEB	97.2	1.2	.4	.3	.3									1.5	650			
MAR	97.4	1.7	.4	.3		.1								.8	744			
APR	100.0														720			
MAY	100.0														744			
JUN	100.0														720			
JUL	100.0														713			
AUG	100.0														744			
SEP	100.0														720			
OCT	100.0														744			
NOV	99.2	.1	.1	.1	.3	.1								.7	720			
DEC	96.6	1.9	1.1	.3		.1								1.5	744			
ANNUAL	98.4	.6	.4	.2	.2	.1	.1							1.0	8645			

EXTREME VALUES

24244	SEATTLE WASHINGTON FNC
STATION	STATION NAME

45-63

YEARS

MONTH YEAR	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS
42			0	0	0	0	0	0	0	0	0	0	
43	0	0	0	0	0	0	0	0	0	0	4	0	4
47	1	0	0	0	0	0	0	0	0	0	0	0	1
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49		2	0	0	0	0	0	0	0	0	0	0	
51	10	3	0	0	0	0	0	0	0	0	0	0	10
52	0	0	2	0	0	0	0	0	0	0	0	1	2
53	4	0	0	0	0	0	0	0	0	0	0	0	4
54	1	0	0	0	0	0	0	0	0	0	0	0	1
55	6	0	0	0	0	0	0	0	0	0	0	0	
56	0	0	TRACE	0	0	0	0	0	0	0	3	1	3
57	0	1	TRACE	0	0	0	0	0	0	0	0	1	1
58	4	1	0	0	0	0	0	0	0	0	0	0	4
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	3	TRACE	0	0	0	0	0	0	0	0	0	0	3
61	0	0	2	0	0	0	0	0	0	0	0	0	2
62	0	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
63	0	0	6	0	0	0	0	0	0	0	0	0	6
64	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
65	TRACE	0	0	0	0	0	0	0	0	0	0	2	2
66	1	0	0	0	0	0	0	0	0	0	0	2	2
67	0	0	TRACE	0	0	0	0	0	0	0	0	TRACE	TRACE
68	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
69	1	0	0	0	0	0	0	0	0	0	0	4	4
MEAN	1.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.3	.5	2.1
S. D	2.537	.765	1.316	.000	.000	.000	.000	.000	.000	.000	.999	.977	2.477
TOTAL OBS	682	650	744	720	744	720	713	744	720	744	720	744	8545

USAF ETAC FORM 0-88-5 (OLI)
JUL 64

EXTREME VALUES

24244	SEATTLE WASHINGTON FUC
STATION	STATION NAME

45-68

YEARS

[illegible]

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

24244 SEATTLE WASHINGTON F.A.C.

45-65

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV	DEC.	ALL MONTHS
45			S 37S	32W	23W	26S	32NW	21S	29SE	40S	48S	50	
46	S 44S	37S	34S	32S	25S	30N	23SW	29SW	30SW	40NW	32S	39	S 44
47	1W 42S	46S	30S	36S	28S	39S	30S	23S	26S	37S	30S	46	S 46
48	S 38S	57S	39S	35W	42SW	27S	22SW	30S	39SW	42SW	41SW	48	S 57
49	SW 48S	56	SW 45SW	35S	30SW	29SW	25SW	37N	38SW	48S	45		
50	S 50S	41SW	37S	36SW	29S	37S	26S	26S	30S	52S	42		
51	S 61S	36SW	42SW	24SW	31			SW 47S	38S	51SW	45		
52	S 41SW	48SW	33S	46				1NW 22SW	24S	42S	41		
53	S 49S	41S	29S	34SW	35S	29SW	28S	27SW	41S	37S	55SW	50	S 55
54	S 50S	46SW	36SW	39S	27S	28SW	29S	22S	21SW	35S	49SW	45	S 50
55	SSW 42SW	54SW	42SW	34SW	25SW	16S	23NNE	15SW	19SW	32NW	36SW	50	SSW 54
56	SSW 33SW	29S	39SW	19SW	21SW	22SW	21SW	16S	24SW	35SW	30S	39	S 37
57	SW 38SW	36SW	33S	37SW	24SW	27SW	26SW	23NW	24NW	24S	28SW	30	S 37
58	SSW 51SW	49SW	26SW	34SW	27SW	26S	16SW	27SW	42SW	33NW	36SW	36	SSW 51
59	SSW 36SW	31SW	29SW	30SW	23SW	20SW	24SW	22SW	29SW	30SW	35SW	37	SSW 37
60	S 39S	41SW	36S	45SW	28S	28SW	20S	24S	24S	28SW	32SW	31	S 40
61	S 36W	40S	43N	28SW	34S	22SW	23S	31SW	34S	49SW	45SW	41	S 45
62	SW 39SW	27S	34		S	28W	21SW	22S	31S	57SW	43S	32	
63	S 31SW	39S	35SW	39S	42SW	21S	27SW	26S	26S	35S	29SW	35	S 42
64	S 49S	37S	37S	34SW	28S	24S	24S	28S	32S	31S	29NW	38	S 49
65	S 38S	43NW	27SW	28SW	35S	22	S	30S	24S	33S	39SW	43	
66	S 34SE	32SW	39SW	29S	29SW	24SW	22SW	21SW	30SW	30SW	32NE	34	S 34
67	SSW 42SW	32SW	42SW	26W	23SW	21SW	19SW	20SW	28SW	42SW	41SW	38	SSW 42
68	S 37SW	36SW	32SW	25SW	28SW	25SW	21NW	20SW	27SW	26			
MEAN	42.3	40.6	35.1	33.2	29.2	25.0	24.2	24.0	30.0	36.5	38.8	41.1	45.
S.D.	7.820	11.333	4.852	6.842	5.830	5.232	4.033	4.353	7.009	8.223	7.987	6.439	6.197
TOTAL OBS.	704	649	711	680	641	657	649	678	718	738	687	678	8224

EXTREME VALUES

24244	SEATTLE WASHINGTON F.W.C.
STATION	STATION NAME

45-63

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

USAF ETAC FORM 0-88-5 (OLI)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-63
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.0	1.5	.5	.3							9.3	5.5
NNE	1.9	1.5	.2	.1								3.8	3.9
NE	3.3	2.5	.6	.0								6.5	3.9
ENE	2.1	1.4	.5	.0								4.1	3.9
E	2.2	1.8	.3	.0								4.3	3.9
ESE	.7	.9	.3	.0								2.0	4.4
SE	1.0	1.0	1.0	.2								4.1	5.1
SSE	1.6	2.0	2.2	.9	.3	.0						6.9	7.5
S	2.1	4.5	6.6	6.6	1.1	.2						21.2	9.2
SSW	.9	2.7	3.4	3.1	.9	.2						11.3	9.7
SW	.7	.9	.8	.3	.0							2.8	6.5
WSW	.2	.0	.2	.1								.6	7.5
W	.4	.2	.2									.8	4.5
WNW	.3	.2		.0								.5	3.8
NW	1.0	.6	.3	.1								2.0	4.4
NNW	3.4	2.9	1.8	.7	.2							8.8	5.3
VARBL													
CALM												15.8	
	29.6	27.3	20.1	12.7	2.9	.5						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2005

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.8	1.4	.0	.3							8.9	3.4
NNE	1.1	1.0	.4	.1	.0							2.8	3.0
NE	3.1	4.2	.7									6.1	3.9
NNE	2.0	1.6	.3									3.9	3.8
E	2.0	1.1	.3	.0								3.6	3.8
ESE	.3	.4	.2	.1								1.6	5.3
SE	1.3	1.2	1.0	.1								3.6	5.2
SSE	1.0	2.7	1.8	1.0	.3							7.5	6.9
S	2.8	4.7	8.4	5.2	1.1	.0						22.4	8.7
SSW	1.4	2.7	3.5	2.6	.7	.1						11.0	9.0
SW	.2	.9	1.4	.5	.0							3.9	7.1
WSW	.2	.1	.1	.1								.6	6.7
W	.4	.1	.0	.0								.6	4.2
WNW	.1	.1	.0	.0								.3	5.4
NW	1.1	.9	.3		.0							2.3	4.6
NNW	2.6	3.7	2.0	.5	.0	.1						10.3	5.3
VARBL													
CALM												10.7	
	26.1	26.8	22.3	11.3	4.6	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2007

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.8	1.9	.0	.2							8.8	5.6
NNE	1.2	1.4	.6	.1	.0							3.2	4.8
NE	2.5	1.9	.3		.0							4.8	3.9
ENE	1.9	1.6	.4									3.9	3.9
E	2.0	1.7	.4	.1								4.3	4.3
ESE	1.1	.7	.1	.1								2.0	4.1
SE	1.6	1.4	.8	.2								4.1	5.2
SSE	.9	2.2	1.7	.8	.4							5.0	7.4
S	2.9	5.3	8.5	5.4	1.8	.1						24.1	9.0
SSW	1.2	3.1	3.8	2.3	.8	.0						11.3	6.7
SW	1.1	1.0	.7	.3	.0							3.4	6.4
WSW	.2	.1				.0						.4	5.4
W	.2	.1		.0								.4	4.5
WNW	.2	.2	.0	.0								.5	5.1
NW	.9	.8	.2	.1								2.1	4.8
NNW	3.2	3.2	2.1	.3	.2							9.1	5.5
VARBL													
CALA												11.3	
	24.6	27.8	21.5	10.6	3.7	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2010

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08

YEARS

JAN
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.9	2.0	1.3	1.2							8.2	6.0
NNE	1.2	1.0	1.4	1.1		1.0						2.8	5.0
NE	2.6	1.5	1.3	1.0								4.3	3.6
ENE	2.1	1.5	1.2	1.0								3.9	3.8
E	3.0	1.3	1.8	1.0	1.0							5.2	4.1
ESE	1.7	1.7	1.3	1.1	1.0							1.9	5.4
SE	1.3	1.2	1.7	1.4	1.0							3.9	5.6
SSE	1.8	2.2	2.8	1.1	1.1							8.0	6.8
S	2.9	3.6	6.1	6.3	1.8	1.0						25.3	9.3
SSW	1.3	1.3	4.0	3.1	1.0	2.2	1.0	1.0				11.3	9.8
SW	1.9	1.8	1.5	1.6	1.2	1.1						3.2	8.3
WSW	1.4	1.2	1.2		1.0							1.8	6.1
W	1.4	1.1	1.0									1.6	3.4
WNW	1.3	1.0	1.1									1.3	3.9
NW	1.7	1.4	1.1	1.1								1.4	4.7
NNW	2.3	2.3	1.0	1.2	1.0	1.1						6.8	5.6
VARBL													
CALM												11.7	
	25.5	22.3	22.5	13.2	3.7	1.1	1.0	1.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2012

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.0	1.9	1.4	.4							7.9	7.3
NNE	1.1	.6	.4	.2	.1							2.3	5.4
NE	1.4	1.2	.4	.0	.1							3.2	4.7
ENE	1.6	.6	.3	.1								2.6	3.8
E	1.7	1.3	.4	.0								3.3	4.2
ESE	1.0	.4	.7	.3	.0							2.3	6.2
SE	2.1	1.3	1.4	.1								4.9	4.9
SSE	2.1	3.0	2.2	.6	.1	.0						8.3	6.3
S	4.0	3.3	8.7	6.2	2.4	.1		.0				26.3	9.0
SSW	1.4	1.8	4.0	4.2	1.4	.2	.0					13.0	10.4
SW	.7	1.3	1.4	1.2	.4	.0						5.0	8.7
WSW	.3	.1	.0	.2	.0							.7	7.2
W	.3	.1										.4	3.2
WNW		.0	.0									.1	6.0
NW	.6	.7	.3	.1	.1							1.9	6.1
NNW	1.0	1.6	2.0	.8	.4	.1						5.8	7.9
VARBL													
CALM												11.1	
	21.4	21.6	24.3	16.0	4.4	.6	.0	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2009

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-60

YEARS

JAN
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.4	3.2	1.7	.2							8.4	7.8
NNE	1.0	.9	.7	.5								3.1	6.1
NE	1.6	1.0	.3	.1								3.7	4.3
ENE	1.3	1.2	.2									2.7	3.9
E	2.1	1.7	.6	.1	.1							4.7	4.8
ESE	.6	.9	.6	.4								2.0	6.7
SE	1.5	1.2	.9	.3		.0						4.1	5.7
SSE	1.7	2.4	1.8	.9	.1							6.9	6.5
S	3.0	4.8	7.9	6.0	1.7	.5						23.9	9.3
SSW	1.4	1.8	3.4	3.3	.7	.3	.0					11.1	9.9
SW	1.1	.5	.8	.9	.1	.1						3.7	7.9
WSW	.9	.2	.3	.3								1.3	6.5
W	.2	.1	.1	.0								.6	5.3
WNW	.1	.4	.0									.6	4.8
NW	1.3	.9	.5	.1								3.0	4.7
NNW	1.1	2.2	2.1	1.2	.5							7.4	7.9
VARBL													
CALM												12.2	
	20.6	22.7	23.7	16.2	3.6	1.0	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

2007

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FNC
STATION NAME

46-68

YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.3	1.0	1.2	.1							10.2	5.6
NNE	1.4	1.4	.0		.0							3.4	4.7
NE	2.6	1.8	.0	.1								5.2	4.2
ENE	1.6	1.2	.0	.1								3.6	4.3
E	4.7	2.0	.7	.2	.1							9.7	4.3
ESE	1.1	1.1	.6	.1								2.9	4.8
SE	1.2	1.4	.7	.3	.1	.0						4.0	6.0
SSE	.9	1.7	2.1	.7	.2							5.8	7.4
S	2.0	3.1	6.2	7.8	1.9	.0	.1					21.3	10.1
SSW	1.0	1.9	2.8	3.8	.7	.2						10.6	10.1
SW	.3	.7	.0	.3	.1	.0						2.4	8.3
WSW	.3	.5	.2									1.0	8.2
W	.2	.1										.4	3.1
WNW	.0	.0										.1	3.5
NW	.8	.6	.2	.1		.0						1.8	4.8
NNW	3.3	3.2	2.0	.9	.2	.0						9.3	5.7
VARBL													
CALM												12.0	
	23.0	24.7	20.1	19.0	3.3	.4	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2006

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

JAN
MONTH

2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 3	4 6	7 10	11 16	17-21	22 27	28-33	34 40	41-47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.4	1.1	.4	.3							9.0	5.0
NNE	1.2	1.3	.3	.0								2.9	4.6
NE	2.0	2.0	.4	.0								5.1	3.8
ENE	1.8	2.0	.3	.0								4.4	4.3
E	2.3	1.0	.3	.0								4.8	3.9
ESE	.0	.0	.2	.3	.0							1.7	6.1
SE	1.3	1.3	1.3	.3	.0	.1						5.3	6.5
SSE	1.1	1.8	2.6	.3	.1							6.2	7.1
S	1.3	4.4	7.7	7.3	1.3	.3						22.7	9.6
SSW	.7	1.7	4.2	3.2	.9	.2	.0					11.0	10.3
SW	.4	.7	.4	.3	.1							2.1	8.0
WSW	.3	.2	.3	.1								.9	5.7
W	.4	.1	.1									.6	3.5
WNW	.2	.1	.1									.4	4.4
NW	.9	.4	.4									1.8	4.3
NNW	3.8	4.2	1.6	.3	.1							10.0	4.9
VARBL												11.0	
CALM													
	23.4	26.3	22.1	13.0	3.0	.0	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2003

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.0	1.9	.9	.2							8.8	6.0
NNE	1.4	1.2	.4	.1	.0	.0						3.1	4.9
NE	2.5	1.8	.5	.0	.0							4.9	4.0
ENE	1.4	1.4	.4	.0								3.6	4.0
E	2.3	1.6	.5	.1	.0							4.5	4.2
ESE	.8	.8	.4	.2	.0							2.2	5.4
SE	1.6	1.2	1.0	.3	.0	.0						4.3	5.6
SSE	1.3	2.2	2.2	.8	.2	.0						5.9	7.0
S	2.7	4.7	7.8	6.4	1.9	.3	.0	.0				23.5	9.3
SSW	1.2	2.2	3.6	3.2	.9	.2	.0	.0				11.4	9.7
SW	.8	.9	.9	.7	.1	.0						3.3	7.7
WSW	.2	.2	.2	.1	.0	.0						.8	5.3
W	.3	.1	.1	.0								.6	4.0
WNW	.2	.2	.1	.0								.4	4.5
NW	.9	.7	.3	.1	.0	.0						2.1	4.8
NNW	2.8	2.9	1.9	.6	.2	.1						8.4	5.8
VARBL													
CALM												11.4	
	23.4	24.9	22.1	13.6	3.5	.6	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

16064

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FHC
STATION NAME

46-08
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.0	4.0	1.8	.2								12.1	4.3
NNE	1.5	1.0	.2									2.6	3.4
NE	2.2	1.0	.3									3.5	3.5
ENE	1.0	1.0	.1									2.0	3.5
E	1.9	.7	.1	.1								2.7	3.3
ESE	.0	.6	.3	.1								1.5	4.0
SE	1.5	1.7	.8	.1								3.9	4.2
SSE	1.0	2.5	2.5	.6	.1	.1						6.8	6.8
S	2.8	4.0	7.0	5.7	1.2	.2	.1					21.3	9.0
SSW	1.4	2.0	3.4	2.7	.8	.3						11.1	9.3
SW	.7	.8	.4	.3	.1						.1	2.3	6.3
WSW	.2	.2	.2	.1								.6	5.6
W	.4	.2	.1	.1								.8	4.7
WNW	.3	.2	.1									.3	3.8
NW	1.1	.8	.3	.1								2.2	4.4
NNW	4.9	3.4	1.4	.2	.3							11.9	5.0
VARBL												14.0	
CALM													
	26.4	27.0	18.7	10.1	2.5	.5	.1		.1			100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

1637

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

FEB
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.6	1.6	.5	.1							11.3	4.5
NNE	1.1	.7	.3									2.2	4.0
NE	2.5	1.5	.2									4.1	3.5
ENE	1.0	1.3	.1									2.4	3.8
E	1.8	.8	.4	.1								3.0	3.9
ESE	.8	.6	.2	.1								1.6	4.4
SE	.9	.7	.9	.3	.1							2.8	6.1
SSE	2.0	2.2	2.2	.5	.3							7.2	6.4
S	2.8	4.4	8.1	4.0	1.1	.5						21.8	9.0
SSW	1.5	1.8	3.9	2.8	.5	.2	.1					10.7	9.2
SW	.8	.8	1.1	.3								3.0	6.2
WSW	.2	.2	.1	.1								.5	5.0
W	.3	.1	.1									.5	4.3
WNW	.4	.1	.1									.5	3.2
NW	1.0	1.3	.4	.1								2.8	4.8
NNW	4.3	4.2	1.6	.2	.3							10.5	4.7
VARBL												15.1	
CALM													
	26.6	24.5	21.3	9.4	2.3	.7	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

1837

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.9	1.4	.3	.1							9.4	4.8
NNE	1.4	.0	.3	.2								2.6	4.2
NE	3.2	2.0	.4									3.5	3.5
ENE	1.9	1.2	.1									3.2	3.5
E	2.4	1.4	.4	.1								4.8	3.6
ESE	.4	.3	.3	.1	.1							1.1	6.2
SE	1.3	1.4	.3	.1								3.5	4.5
SSE	1.1	2.2	2.4	.4	.1							6.6	6.8
S	1.6	3.9	7.8	3.1	1.4	.3						22.0	9.1
SSW	1.1	1.6	3.8	3.1	.9	.1	.1					10.6	9.9
SW	.6	.6	.8	.2	.1	.1						2.3	6.7
WSW	.1	.2	.1	.1								.5	6.8
W	.2	.2										.5	3.4
WNW	.2	.1	.1									.3	4.0
NW	1.0	.6	.2	.2								2.0	4.5
NNW	3.9	4.6	1.4	.6	.1							10.5	4.9
VAGBL												14.6	
CALM													
	25.7	25.8	20.0	10.8	2.6	.4	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

1838

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-60
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	2.3	.7	.2							8.8	5.7
NNE	1.5	.8	.2	.1	.1							2.6	3.8
NE	2.3	1.2	.2	.1								4.0	3.4
ENE	1.6	1.0	.1									2.7	3.5
E	2.1	1.4	.3									3.8	3.5
ESE	1.3	.9	.3	.2		.1						2.9	3.4
SE	3.2	1.1	.4	.1								4.7	3.8
SSE	2.9	1.6	2.4	.3								7.5	5.8
S	3.0	6.2	9.3	3.6	1.7	.4						26.1	8.9
SSW	1.8	1.3	3.7	3.6	1.2	.1						11.7	9.9
SW	.8	.9	.3	.4	.1	.1						2.7	6.8
WSW	.2	.2	.2									.3	4.7
W	.4	.1										.3	2.6
WNW	.2	.1	.1									.3	3.6
NW	.5	.2	.3	.1								1.1	3.3
NNW	2.0	3.0	1.9	.3								7.3	5.7
VARBL													
CALM												12.8	
	26.8	22.2	22.2	11.8	3.3	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

1837

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

26244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

FEB
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥ 56	%	MEAN WIND SPEED
N	2.9	2.1	2.5	1.0	.1	.1						8.7	6.4
NNE	.7	.6	.2	.1								1.3	4.3
NE	1.0	.9	.4									1.3	4.1
ENE	.6	.5	.3									1.4	4.3
E	1.4	.9	.4	.1								2.7	4.1
ESE	1.5	.4	.7	.2								2.6	5.1
SE	2.7	1.8	.3	.2	.1							5.1	4.2
SSE	2.7	2.9	2.1	.3	.1							8.1	5.5
S	4.8	6.3	6.6	6.3	1.3	.2						27.5	8.4
SSW	.9	2.2	3.4	4.8	1.6	.2						13.1	10.9
SW	.9	.4	1.4	.7	.3	.1						3.8	8.8
WSW	.4	.4	.1									.7	3.4
W	.6	.3		.1								1.0	3.5
WNW	.1	.2	.2									.4	3.9
NW	1.0	.7	.5	.2								2.4	5.5
NNW	1.2	3.2	3.6	1.4	.4	.1						9.8	7.8
VARBL												9.3	
CALM													
	23.1	23.2	24.6	19.3	3.9	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1838

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

FEB
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.8	2.8	1.3	.1							8.8	6.9
NNE	.4	.9	.4									1.7	5.3
NE	1.0	.8	.2									2.0	3.9
ENE	.8	.9	.3	.1								2.0	4.7
E	1.7	1.1	.7	.1								3.6	4.6
ESE	.9	1.0	.3	.3								2.8	5.9
SE	1.9	1.3	1.1	.3	.1							4.9	5.7
SSE	2.0	2.2	2.4	.3								6.9	5.6
S	4.2	3.8	6.2	3.4	.9		.1					22.6	8.1
SSW	1.1	2.3	3.4	4.7	1.0		.1					12.6	10.1
SW	.8	1.3	1.2	1.2	.2							4.6	7.6
WSW	.4	.3	.2									.9	4.4
W	.4	.3	.1									.9	3.9
WNW	.2	.3	.1	.1								.6	3.5
NW	.8	1.4	1.3	.6	.1							4.4	7.1
NNW	1.6	3.8	4.8	1.9	.3	.1						12.6	7.7
VARBL													
CALM												8.2	
	20.1	20.5	25.5	16.7	2.8	.1	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1837

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.1	2.6	.3	.1							11.6	3.1
NNE	1.3	.6	.3									2.2	3.8
NE	1.6	1.3	.3									3.2	3.8
ENE	1.6	1.3	.4	.1								3.3	4.1
E	1.9	1.6	.7	.1	.1							4.4	4.7
ESE	.9	.8	.9	.3								2.9	6.1
SE	1.3	1.2	1.0	.3								3.9	5.7
SSE	1.6	2.2	2.3	.7	.3							7.4	6.9
S	3.0	3.0	6.2	4.5	1.4	.1						20.2	8.6
SSW	1.0	2.1	3.1	2.4	.5	.2						9.4	9.2
SW	.7	.8	.7	.5	.2	.1						2.9	7.5
WSW	.1	.2	.2	.2								.7	7.1
W	.2	.2	.1		.1							.4	5.6
WNW	.3	.1	.1									.3	3.7
NW	1.3	2.4	.8	.1								4.6	4.8
NNW	2.6	3.3	3.0	.3	.2							11.6	5.8
VARBL													
CALM												10.9	
	24.2	28.9	22.4	10.4	2.8	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

1638

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

FEB
MONTH

2100-2300
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	6.1	4.5	1.0	.4	.2							12.2	4.3
NNE	1.4	1.4	.1									3.3	3.5
NE	1.7	1.6	.4									3.7	4.0
ENE	1.4	.8	.1									2.2	3.2
E	1.7	1.0	.3									3.1	3.7
ESE	.6	1.0	.3	.2								2.2	3.5
SE	1.1	1.0	.7	.1								2.9	4.9
SSE	1.2	.9	.8	1.0	.1							5.8	7.1
S	2.3	3.4	0.2	3.1	1.6	.3						23.1	8.9
SSW	.6	2.3	.6	2.8	.7	.3						9.4	9.8
SW	.9	.9	.5	.4	.1							2.1	6.4
WSW	.2	.1	.1									.3	3.7
W	.4	.2			.1							.7	4.4
WNW	.2	.1										.3	3.2
NW	1.3	1.1	.3	.1								2.8	4.4
NNW	3.9	4.8	1.8	.2	.3							11.0	5.1
VARBL												14.9	
CALM													
	29.7	28.0	17.9	10.0	2.9	.3						100.0	5.5
	TOTAL NUMBER OF OBSERVATIONS												1835

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08

YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.4	2.0	.0	.1	.0						10.4	5.1
NNE	1.2	.8	.2	.0	.0							2.3	4.0
NE	2.0	1.2	.3	.0								3.5	3.7
ENE	1.2	1.0	.2	.0								2.4	3.8
E	1.9	1.1	.4	.1	.0							3.5	3.9
ESE	.9	.7	.4	.2	.0	.0						2.2	5.5
SE	1.7	1.3	.7	.2	.0							4.0	4.9
SSE	1.6	2.2	2.3	.6	.1	.0						7.0	6.3
S	3.1	3.4	7.7	3.3	1.3	.2	.0					23.1	8.7
SSW	1.2	2.0	3.4	3.2	.9	.2	.0					11.1	9.0
SW	.7	.8	.8	.5	.1	.0			.0			3.0	7.2
WSW	.2	.2	.1	.0								.6	5.1
W	.4	.2	.0	.0	.0							.6	4.0
WNW	.2	.1	.1	.0								.4	4.2
NW	1.0	1.0	.5	.2	.0							2.8	3.2
NNW	3.0	4.3	2.4	.7	.3	.0						10.6	5.9
VARBL													
CALM												12.5	
	24.4	23.9	21.6	11.8	2.9	.5	.0		.0			100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

14697

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08

YEARS

MAR
MONTH

0000-0200
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.2	4.8	.9	.1								12.2	3.9
NNE	1.2	.7	.0									1.9	3.3
NE	1.7	1.0	.0									2.8	3.2
ENE	2.0	1.2	.3									3.5	3.8
E	1.1	.8	.2									2.1	3.7
ESE	.3	.3	.3									.9	3.5
SE	1.0	1.4	.7	.4								3.6	3.8
SSE	1.2	2.2	1.9	.5	.0							5.9	6.4
S	2.2	5.7	10.2	5.4	1.1	.0	.1					24.7	8.9
SSW	1.1	2.5	4.4	2.9	1.1	.0						12.1	9.4
SW	.6	.7	.5	.4	.0							2.2	7.2
WSW	.3	.2	.3									.8	3.3
W	.2	.1	.0	.0								.4	4.7
WNW	.1	.0	.1									.3	4.5
NW	.9	.9	.4	.2								2.5	5.3
NNW	4.7	5.1	.9	.0	.1							11.0	4.3
VARBL												12.8	
CALM													
	24.9	27.8	21.0	10.2	2.4	.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2014

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0900
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.9	4.4	.8	.1	.0							12.2	3.7
NNE	1.4	.7	.0									2.1	3.0
NE	2.5	1.3	.1									4.0	3.3
ENE	1.0	1.2	.1									2.4	3.0
E	1.7	.8	.3	.1								2.9	3.8
ESE	.6	.3	.1		.0							1.1	4.2
SE	1.1	1.0	.6	.1	.1							2.9	5.5
SSE	1.1	2.6	2.0	.5	.0							6.3	6.4
S	1.7	3.0	10.4	3.1	.9	.0						23.2	8.8
SSW	.9	2.1	4.1	3.2	1.1	.0						11.4	9.8
SW	.8	1.3	.9	.2								2.6	5.9
WSW	.3	.0	.2	.0								.6	5.3
W	.2	.0	.1									.4	3.9
WNW	.2	.1	.1		.0							.5	5.9
NW	1.5	1.1	.4	.0								3.1	4.0
NNW	4.9	4.4	1.6	.0	.2							10.7	4.6
VARBL													
CALM												13.5	
	26.2	26.6	21.3	9.9	2.6	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2014

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-48

YEARS

MAR
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.0	2.6	1.4	.1	.0							11.0	4.2
NNE	1.4	.4	.1									1.9	3.2
NE	2.3	1.1	.2									3.6	3.3
ENE	1.2	1.1	.1	.0								2.5	3.8
E	1.7	.7	.4									2.9	3.9
ESE	.4	.1	.5	.0	.0							1.6	4.9
SE	.9	.8	.4	.2								2.4	5.5
SSE	1.0	2.0	3.0	.7								7.3	6.8
S	2.1	6.0	10.4	9.2	1.1	.1						24.9	8.7
SSW	1.1	2.8	4.3	3.0	.8	.0						12.1	9.0
SW	.0	1.3	.8	.0								2.7	5.6
WSW	.1	.1	.0									.3	4.5
W	.1	.1										.3	3.5
WNW	.0	.0										.1	3.0
NW	1.0	.6	.2									1.9	3.9
NNW	2.3	3.4	1.3	.1								8.3	4.4
VARBL													
CALM												16.1	
	24.0	24.9	23.4	9.5	2.0	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2015

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FRC
STATION NAME

46-66

YEARS

MAR
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.9	1.5	0.3	0.0							7.4	5.3
NNE	1.0	0.3	0.1									1.5	3.1
NE	1.7	0.2	0.1	0.0								2.1	3.2
ENE	0.5	0.6	0.2									1.3	4.2
E	1.8	0.6	0.3	0.1								2.9	3.8
ESE	1.0	1.0	0.2	0.2	0.1							3.1	4.9
SE	2.8	1.3	0.6	0.2	0.1							5.0	4.4
SSE	2.4	0.5	2.1	0.8	0.1							9.5	5.8
S	3.1	0.8	12.7	2.8	1.3	0.3						30.2	8.3
SSW	1.1	2.0	4.7	2.8	1.2	0.2						13.2	10.1
SW	0.6	0.8	0.9	0.4								2.8	6.9
WSW	0.3	0.1	0.1	0.1								0.7	5.8
W	0.4	0.1	0.0									0.6	3.3
WNW	0.2	0.1										0.3	3.2
NW	0.3	0.3	0.2	0.2								1.2	5.8
NNW	1.7	1.2	2.3	0.2	0.1							5.6	6.2
VARBL													
CALM												12.5	
	23.4	21.2	26.6	12.5	3.1	0.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2015

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION:

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

YEAR
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	2.1	.7	.1							6.6	6.4
NNE	.5	.2	.2	.1								1.1	5.4
NE	.0	.6	.2									1.4	4.2
ENE	.7	.5	.2									1.5	3.8
E	.8	.7	.5	.2								2.3	5.3
ESE	1.4	.5	.1	.1	.1	.0						2.3	5.0
SE	2.9	1.9	.6	.5	.0							5.9	4.6
SSE	2.4	4.0	2.4	.5	.1							9.3	5.8
S	3.5	8.0	10.0	6.0	1.3	.1						28.9	8.3
SSW	.7	2.2	3.6	3.0	1.3	.3						13.8	10.9
SW	.6	1.4	1.3	1.3	.0							4.7	7.9
WSW	.3	.3	.3	.2	.0							1.1	7.7
W	.2	.4	.2									.8	4.6
WNW	.4	.2	.0									.4	4.1
NW	.8	.1	1.1	.2	.1	.0						3.2	7.1
NNW	1.2	2.8	4.2	1.5		.0						9.9	7.5
VARBL												6.7	
CALM													
	19.4	20.0	27.2	17.1	3.2	.6						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2014

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-88

YEARS

ALL WEATHER
CLASS

CONDITION

MAR
MONTH

1500-1700
HOURS (LST)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	4.0	.8	.2							8.3	7.6
NNE	.4	.6	.4	.0								1.5	5.5
NE	.2	1.0	.5		.0							2.1	5.3
ENE	.4	.5	.3	.1								1.3	5.6
E	1.3	.8	.2	.4								2.6	4.3
ESE	.8	.8	.5	.2								2.4	5.5
SE	1.5	1.2	.6	.3								3.7	5.1
SSE	1.4	3.0	2.8	.7	.0							8.6	6.3
S	2.1	5.9	6.9	3.2	.8	.1						21.1	8.5
SSW	.6	2.2	4.0	4.8	1.2	.0						13.0	10.4
SW	.7	1.7	2.0	1.5	.3							6.4	8.7
WSW	.3	.8	.5	.2	.1	.0						2.0	7.6
W	.5	.8	.2	.1								1.7	5.5
WNW	.2	.3	.1		.0							.7	5.9
NW	.8	1.1	2.4	.9	.1							5.4	7.9
NNW	1.0	3.4	6.3	2.7	.1							13.6	8.3
VARBL												5.7	
CALM													
	14.0	20.2	32.0	18.1	3.2	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2014

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08
YEARS

YEAR

MAR
MONTH

1800-2000
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.4	2.3	.7								8.9	3.9
NNE	1.5	.7	.2	.0								2.4	3.7
NE	1.4	.7	.4									2.5	4.0
ENE	1.2	.9	.3									2.4	4.1
E	1.9	1.2	.3									3.5	3.7
ESE	.5	.7	.4	.0	.0							1.7	3.9
SE	1.5	1.7	1.3	.0								5.3	6.2
SSE	1.7	2.8	1.8	.4	.1							6.8	6.0
S	2.8	4.3	7.1	4.3	.8	.1						19.4	8.4
SSW	.8	1.8	4.4	2.9	.3	.2						10.8	9.6
SW	.8	1.2	2.2	.3	.1							5.0	7.6
WSW	.1	.3	.2									.7	3.5
W	.3	.2	.0									.3	3.5
WNW	.1	.2										.3	3.7
NW	1.4	2.0	1.7	.2								5.4	5.4
NNW	2.8	6.0	4.9	.0	.0							14.9	6.0
VARBL												9.4	
CALM													
	21.2	29.0	27.9	10.3	1.7	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2012

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.1	0.4	1.7	0.3								12.4	4.3
NNE	1.3	0.9	0.2									2.5	3.8
NE	2.2	0.8	0.1									3.2	3.0
ENE	1.0	1.1	0.1									3.0	3.5
E	1.0	1.4	0.2	0.1								3.4	4.1
ESE	0.6	0.4	0.2	0.1								1.3	4.7
SE	1.0	1.7	1.1	0.5	0.1							5.0	6.1
SSE	1.0	3.0	1.9	0.8	0.1							6.9	6.7
S	2.2	3.3	7.3	3.1	0.8	0.0						20.9	8.6
SSW	0.9	3.1	4.3	2.9	0.0	0.1						11.9	9.1
SW	0.3	0.9	0.8	0.2								2.2	6.5
WSW	0.3	0.4	0.0									0.8	4.3
W	0.2	0.2										0.4	3.3
WNW	0.0	0.1										0.1	4.3
NW	1.0	1.0	0.9									2.9	5.0
NNW	4.4	4.3	1.9	0.2								10.9	4.6
VARBL													
CALM												12.1	
	25.9	29.0	21.0	10.2	1.7	0.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2009

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.3	1.9	.5	.1							9.9	4.9
NNE	1.1	.6	.2	.0	.0							1.9	3.7
NE	1.6	.9	.2	.0	.0							2.7	3.6
ENE	1.1	.9	.2	.0								2.3	4.0
E	1.5	.9	.3	.1								2.8	4.0
ESE	.9	.5	.3	.1	.0	.0						1.8	5.1
SE	1.6	1.4	.8	.4	.0							4.2	5.4
SSE	1.7	3.0	2.3	.8	.1							7.6	6.2
S	2.5	3.9	9.4	5.3	1.0	.1	.0					24.2	8.6
SSW	.9	4.4	4.2	3.6	1.0	.1						12.3	9.8
SW	.0	1.2	1.1	.6	.1							3.6	7.3
WSW	.2	.2	.2	.1	.0	.0						.9	6.3
W	.3	.3	.1	.0								.7	4.4
WNW	.2	.1	.0		.0							.4	4.8
NW	1.0	1.0	.9	.2	.0	.0						3.2	3.9
NNW	3.0	3.9	2.9	.7	.1	.0						10.6	5.3
VARBL												11.1	
CALM													
	22.4	20.3	23.1	12.2	2.9	.3	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

16100

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68
YEARS

APR
MONTH

0000-0200
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.3	5.3	.8	.1								11.5	3.9
NNE	1.8	1.2	.2	.1								3.2	3.5
NE	4.7	2.2	.3	.1								5.2	3.7
ENE	1.2	.8	.1									2.1	3.6
E	1.7	1.0	.3									3.0	3.6
ESE	.6	.4	.4	.1								1.4	5.4
SE	1.4	1.2	.8	.2								3.6	5.3
SSE	1.3	3.2	2.3	.7								7.4	6.3
S	2.7	5.8	8.8	4.7	.3	.1						22.4	8.0
SSW	1.6	2.6	4.6	2.3	.1							10.8	8.0
SW	.8	.9	1.1	.2								2.9	5.9
WSW	.2	.3	.2									.6	5.5
W	.2		.1									.3	3.6
WNW	.2											.2	2.0
NW	1.5	.7	.3									2.6	3.8
NNW	2.1	3.5	1.4	.1	.1	.1						12.8	4.3
VARBL													
CALM												10.2	
	28.9	30.9	21.5	8.5	.4	.1						100.0	5.2
TOTAL NUMBER OF OBSERVATIONS													1949

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

APR
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.8	4.6	1.0	.2								12.7	3.9
NNE	1.5	1.2	.2									2.8	3.6
NE	2.4	1.4	.1									3.8	3.3
ENE	1.5	1.3	.3									3.2	3.7
E	1.5	.7		.1								2.4	3.2
ESE	.6	.6	.3	.1								1.3	5.5
SE	1.5	1.3	.5	.2								3.5	4.4
SSE	1.5	2.8	2.2	.4	.1							7.0	6.0
S	2.7	5.5	9.5	4.7	.3							22.7	8.1
SSW	1.5	2.9	4.8	2.4								11.6	7.7
SW	.6	.9	1.0	.3								2.7	6.6
WSW	.2	.1	.1									.4	3.4
W	.1	.1										.1	3.0
WNW	.1		.1									.2	4.3
NW	1.3	.4	.1	.1								1.8	3.4
NNW	6.2	4.6	.9	.4								12.2	4.2
VARBL													
CALM												11.6	
	30.2	24.3	20.6	8.9	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1900

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

APR
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	1.6	0.2								11.2	4.1
NNE	2.0	0.4	0.2	0.1								3.4	3.0
NE	2.0	1.1	0.2									3.6	3.3
ENE	1.0	1.4	0.2									3.0	3.8
E	1.0	0.0	0.2									2.0	3.4
ESE	1.0	0.2	0.2	0.1	0.1							1.9	3.8
SE	2.0	1.4	0.3	0.2								4.3	4.0
SSE	1.0	2.2	2.1	0.3								6.0	5.9
S	3.0	7.0	10.6	3.0	0.4							27.9	7.8
SSW	1.0	3.0	4.6	2.0	0.1							12.1	8.0
SW	1.0	0.0	1.3	0.2								3.2	5.9
WSW	0.4	0.2	0.1	0.1								0.7	4.2
W	0.4											0.4	2.3
WNW	0.1	0.2										0.3	3.6
NW	0.1	0.7	0.1									1.3	3.7
NNW	2.0	0.2	1.4	0.1								7.4	4.6
VARBL													
CALM												11.0	
	29.0	26.0	22.9	9.0	0.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1950

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

46-65

YEARS

APR
MONTH
0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.4	4.1	1.7	.7								7.8	5.3
NNE	.8	.4	.1									1.2	3.2
NE	1.1	.3	.1									1.4	3.2
ENE	.0	.2	.3									1.1	4.8
E	1.8	.5	.1									2.4	3.0
ESE	4.5	.2	.2		.1	.1						3.7	3.8
SE	2.8	1.6	.7									5.1	3.8
SSE	1.8	4.2	2.9	.6	.1							9.6	6.0
S	3.7	10.1	12.1	6.7	1.1	.1						33.6	8.1
SSW	1.5	2.5	3.8	3.0	.8	.1						11.4	9.0
SW	.6	1.1	1.4	.7	.3							4.1	7.9
WSW	.1	.3	.3									.6	5.8
W	.4	.1										.3	3.3
WNW	.2		.1									.2	3.8
NW	.7	.9	.4									2.0	4.5
NNW	1.0	2.3	3.8	.7								8.5	6.5
VARBL												6.8	
CALM													
	23.2	27.0	27.7	12.3	2.3	.2						100.0	6.3
TOTAL NUMBER OF OBSERVATIONS													1543

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

APR
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17-21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.1	1.7	.7								7.8	5.3
NNE	1.8	.4	.1									1.2	3.2
NE	1.1	.3	.1									1.4	3.2
ENE	.6	.3	.3									1.1	4.0
E	.8	.3	.1									2.4	3.0
ESE	4.3	.9	.3		.1	.1						3.7	3.8
SE	2.8	1.6	.7									5.1	3.8
SSE	.8	.2	.9	.6	.1							9.6	6.0
S	4.7	10.1	12.5	6.7	1.1	.1						33.6	8.1
SSW	1.3	2.3	3.8	2.6	.8		1					11.4	9.0
SW	.6	1.1	1.4	.7	.3							4.1	7.0
WSW	.1	.3	.3									.6	5.0
W	.4	.1										.3	3.3
WNW	.2		.1									.2	3.4
NW	.7	.4	.4									2.0	4.5
NNW	1.6	2.3	2.8	.7								8.6	6.6
VARBL												6.8	
CALM													
	23.2	27.0	27.7	12.3	2.3	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

1943

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-66

YEARS

APR
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4-6	7 10	11 16	17-21	22-27	28 33	34 40	41 47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.7	3.2	1.2								9.4	6.5
NNE	.5	.4	.3									1.2	4.3
NE	.4	.4	.3	.1								1.3	6.3
ENE	.2	.3	.1	.1								1.0	4.3
E	.4	.7	.3	.1								1.9	4.2
ESE	1.0	1.2	.2									3.3	3.6
SE	3.0	4.8	.8	.4								6.9	4.5
SSE	2.2	4.1	2.8	.3								9.5	5.7
S	2.9	7.0	8.5	3.4	1.1	.1						25.1	8.3
SSW	1.6	2.0	2.8	3.3	1.1	.1	.1					11.9	9.5
SW	.9	1.7	2.4	1.5	.3	.1						6.8	8.7
WSW	.3	.8	.3	.1								1.9	3.5
W	.4	.9	.1	.1								1.4	4.8
WNW	.1	.2		.1								.3	3.4
NW	.6	.7	.4	.3								2.5	6.4
NNW	1.2	4.6	6.3	2.1	.1	.1						12.3	6.1
VARBL													
CALM												3.3	
	19.4	29.0	29.5	15.3	2.6	.3	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FNC
STATION NAME

46-68

YEARS

APR
MONTH

1500-1700
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.2	4.0	1.1	.1							10.4	7.0
NNE	1.8	1.4	1.6	1.1								1.9	3.0
NE	1.8	.7	1.6	.6								2.3	3.6
ENE	1.2	1.0	1.4	.1								1.6	3.4
E	1.1	1.0	1.3									2.6	4.3
ESE	1.6	1.1	1.2	.1								2.9	3.9
SE	2.1	1.6	.7	.2								4.6	4.5
SSE	2.4	2.4	1.3	.4	.1							4.8	3.3
S	2.3	3.3	4.7	3.6	.4	.1						16.4	7.7
SSW	1.0	1.9	3.6	3.4	.7	.1						10.7	9.8
SW	1.4	1.8	3.1	1.9	.2	.1						8.0	8.6
WSW	1.5	1.6	.8	.9	.1							2.4	7.5
W	1.0	.8	.7									2.3	4.7
WNW	1.3	.4	.3									1.0	3.3
NW	1.0	1.1	1.3	.4								3.6	6.8
NNW	1.1	3.6	10.1	3.4	.3							18.3	8.5
VARBL												3.9	
CALM													
	18.2	26.5	32.9	17.3	1.8	.3						100.0	7.0
TOTAL NUMBER OF OBSERVATIONS													1949

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08

YEARS

APR
MONTH

1800-2000
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.0	3.8	.9	.1							11.8	6.2
NNE	1.0	1.0	.6									2.6	4.7
NE	1.3	1.1	.1	.1								7.6	3.9
ENE	.8	.8	.3	.1								2.2	3.0
E	1.0	1.0	.3									3.0	3.0
ESE	1.0	.6	.3									1.9	4.2
SE	1.2	1.1	.3	.3								3.1	3.1
SSE	1.3	1.6	.3	.3								4.8	6.3
S	1.0	3.8	.3	.3	.3	.1						14.8	6.2
SSW	1.2	2.3	3.0	2.3	.4	.1						10.0	8.4
SW	.9	1.9	.0	1.1								3.9	7.2
WSW	.4	.2	.0	.1	.1							1.2	6.9
W	.0	.0	.2									1.3	4.4
WNW	.4	.2	.2									.7	4.3
NW	.9	1.6	2.3	.1								5.1	6.0
NNW	2.3	10.3	8.7	.7	.1	.2						22.1	6.4
VARBL												6.4	
CALM													
	14.3	34.3	30.4	9.2	1.1	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

1950

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-68

YEARS

APR
MONTH

2100-2300
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7-10	11 16	17 21	22 27	28 33	34-40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	4.9	5.0	1.0	.1								12.4	4.3
NNE	2.0	1.4	.4	.1								4.0	4.0
NE	2.3	2.1	.5	.1								4.9	4.2
ENE	1.5	1.0	.5									3.0	4.0
E	1.5	1.2	.5	.1								3.2	4.3
ESE	1.7	.6	.5									1.7	4.8
SE	1.1	.9	.8	.1	.1							2.9	5.1
SSE	1.2	2.6	1.9	.4	.1							6.2	6.1
S	2.6	5.5	8.4	4.0	.4	.1						21.0	7.7
SSW	1.3	2.4	3.5	2.1	.2							9.5	8.1
SW	.8	.4	1.1	.2								2.4	6.3
WSW	.1	.1	.3									.5	6.6
W	.2	.3	.1									.5	4.8
WNW	.1	.2	.1									.3	5.0
NW	1.0	1.0	.2	.1								2.3	4.5
NNW	5.4	6.9	2.3	.2	.2							14.9	4.6
VARBL													
CALM												10.3	
	27.1	31.7	22.9	7.1	.8	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1946

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

46-08

YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.9	2.3	1.0	0.0							10.9	5.1
NNE	1.4	1.0	1.3	0.0								2.6	3.9
NE	1.6	1.2	1.3	1.1								3.1	4.0
ENE	1.0	0.8	1.3	0.0								2.1	4.2
E	1.4	0.8	1.3	0.0								2.6	3.8
ESE	1.3	0.7	1.3	1.1	0.0	0.0						2.3	4.7
SE	2.0	1.3	1.6	1.2	0.0	0.0						4.3	4.5
SSE	1.7	2.9	2.1	1.2	0.0	0.0						7.2	5.9
S	2.3	6.3	8.3	4.7	1.6	1.1						23.0	8.0
SSW	1.2	2.6	3.8	2.8	1.4	0.0	0.0					11.0	8.6
SW	0.0	1.2	1.7	1.1	1.1	0.0		0.0				4.5	7.5
WSW	0.0	0.3	1.3	1.1	0.0	0.0						1.0	6.2
W	0.4	0.3	1.1	0.0								0.8	4.4
WNW	0.4	1.1	1.1	0.0								1.4	4.6
NW	0.9	1.9	1.7	1.1								2.7	5.2
NNW	2.4	4.8	4.4	1.0	1.1	0.0						13.7	6.1
VARBL													
CALM												7.9	
	24.2	29.2	26.2	10.8	1.2	0.2	0.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

15592

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

MAY
MONTH

0000-0200
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.8	6.9	1.6	.1								15.0	4.0
NNE	2.8	1.9	.3									4.9	3.6
NE	3.0	2.3	.2									5.5	3.4
ENE	2.9	2.2	.3									5.0	3.5
E	1.8	1.4	.1									3.3	3.6
ESE	.3	.3	.2									1.0	4.0
SE	.8	1.3	.6	.0	.0							2.9	5.4
SSE	.9	2.2	2.0	.3	.0							5.5	6.4
S	1.8	3.9	8.2	1.9								17.7	7.3
SSW	.6	4.9	3.3	1.1	.2							10.1	7.9
SW	.7	1.0	.6	.2								2.5	5.5
WSW	.9	.2	.1									.8	3.6
W	.0	.1										.1	4.3
WNW	.1											.2	2.7
NW	1.9	1.1	.1									3.1	3.6
NNW	6.1	6.1	1.4									13.6	4.1
VARBL													
CALM												8.8	
	30.8	39.6	20.9	3.7	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

DAY
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	6.7	5.6	1.4									12.8	3.6
NNE	1.9	1.1	1.2									3.3	3.3
NE	3.2	1.2	1.2									4.7	3.3
ENE	2.2	1.7	1.1									4.3	3.3
E	1.0	.8	.2									2.0	3.8
ESE	.8	.7	.0									1.5	3.4
SE	.7	1.3	.5									2.5	4.6
SSE	.8	2.8	1.7	1.1								5.4	5.7
S	4.0	6.7	9.0	1.8	.0							19.6	7.0
SSW	1.3	3.0	5.4	1.2	.1							13.3	7.1
SW	1.1	1.2	.4	1.1								2.6	4.9
WSW	.2	.1	.1	.0								.4	3.4
W	.4	.1										.5	2.5
WNW	.2											.2	1.6
NW	1.3	.9	.0									2.5	3.5
NNW	7.8	3.3	1.0	.0								14.2	3.8
VARBL													
CAUM												10.0	
	32.1	34.3	19.4	3.4	.2							100.0	4.5
TOTAL NUMBER OF OBSERVATIONS													2107

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

HAY
MONTH

0000-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.1	4.8	1.2	.1								13.3	3.8
NNE	2.0	1.0	.2									4.1	3.2
NE	2.0	1.1	.1									4.0	3.1
ENE	2.4	.8										3.2	2.9
E	1.9	.3										2.4	.8
ESE	1.1	.4	.1									1.6	.3
SE	1.3	.8	.4	.0								2.8	4.1
SSE	1.3	2.8	2.3	.3								6.8	6.0
S	2.7	9.4	10.6	2.7	.1							29.5	7.0
SSW	1.3	4.8	5.0	1.9	.1							19.2	7.4
SW	1.0	.9	.3	.1	.0							2.4	3.1
WSW	.0	.2	.0	.0								.3	7.1
W	.2											.2	2.3
WNW			.0									.0	7.0
NW	.6	.4	.1									1.1	4.0
NNW	4.2	3.0	.8	.4								8.4	4.3
VARBL													
CALM												10.6	
	31.0	31.1	21.9	5.6	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

YEAR

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.9	3.3	.4								10.8	5.4
NNE	1.1	.4	.3	.0								1.9	4.2
NE	.7	.7	.1	.0								1.6	4.1
ENE	.9	.3	.1									.9	3.9
E	1.5	.6	.1									2.2	3.1
ESE	2.1	.8	.1									3.0	3.3
SE	3.0	2.4	.7									6.1	3.9
SSE	4.4	3.3	2.4	.1								10.7	5.1
S	3.3	10.1	10.6	3.0	.2							27.2	7.0
SSW	1.1	3.6	3.7	1.7	.1							9.9	7.6
SW	.8	1.4	.9	.1	.0							3.3	5.7
WSW	.1	.6	.3	.0								1.0	5.7
W	.3	.3	.0									.7	3.7
WNW	.1	.1	.0									.3	3.7
NW	.0	1.0	.3	.1								2.0	4.8
NNW	2.5	4.1	5.2	.5								12.4	6.3
VARBL													
CALM												6.1	
	24.9	34.3	28.2	6.1	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2108

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

HAY
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.6	6.9	1.2			.0					14.7	7.1
NNE	.9	.7	.2	.2								1.9	4.8
NE	.8	.3	.3									1.4	4.1
NNE	.0	.4	.2									1.2	4.0
E	1.1	1.2	.2									2.6	4.0
ESE	1.9	1.6	.1									3.6	3.7
SE	2.9	3.7	1.2									7.8	4.4
SSE	1.9	4.9	2.1	.5								9.8	5.7
S	2.3	7.7	7.7	1.7	.1							20.0	6.7
SSW	.9	2.2	2.5	1.6	.2	.0						7.9	7.9
SW	.7	1.3	1.9	1.1	.0							5.1	7.5
WSW	.6	.8	.7	.1								2.1	5.7
W	.5	.6	.2	.0								1.4	4.6
WNW	.2	.3	.2									.8	5.4
NW	.9	.8	.9	.2								2.3	6.4
NNW	1.0	3.7	8.3	2.0	.0							15.1	7.7
VARBL												2.5	
CALM													
	19.0	34.5	34.5	8.7	.4	.0	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2108

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.9	10.0	2.3	.0							18.7	7.7
NNE	.5	1.3	.5									2.3	3.3
NE	.6	.9	.3	.0								2.0	4.9
ENE	.7	.8	.3	.0								1.8	4.7
E	1.2	1.0	.5									2.7	4.2
ESE	1.2	1.1	.2									2.8	3.9
SE	2.0	1.6	.3	.0								4.0	4.2
SSE	1.6	2.8	1.9	.1								6.4	5.4
S	1.8	4.9	3.3	1.8	.1							13.4	7.2
SSW	.5	1.6	2.8	1.6	.3							6.8	8.5
SW	.5	2.0	1.7	1.0								5.2	7.6
WSW	.6	.8	1.0	.2								2.6	6.2
W	.9	.6	.4	.3								2.2	5.5
WNW	.6	.2	.0	.0								.6	5.0
NW	1.7	1.4	2.1	.4								4.6	6.9
NNW	1.5	3.4	11.6	3.3	.0							20.4	8.1
VARBL												3.0	
CALM													
	17.1	28.7	39.0	11.4	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

2106

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

YEARS

MAY
MONTH

1800-2000
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.7	7.3	7.5	1.4								18.0	6.5
NNE	.8	1.0	1.0	.0								2.7	5.6
NE	.6	1.4	.3									2.4	4.7
ENE	.6	.9	.2	.0								1.8	4.7
E	.6	1.3	.8	.1								2.8	4.6
ESE	.5	.7	.3									1.5	5.1
SE	.8	.6	.1	.1								1.6	4.3
SSE	1.4	1.3	1.0	.6								3.8	4.9
S	1.2	4.0	4.4	1.2	.1							11.3	7.1
SSW	.6	2.0	3.2	1.5								7.3	8.1
SW	.8	1.8	1.7	.5	.1							4.9	6.9
WSW	.5	1.0	.4	.0								1.9	5.2
W	.4	.6	.3	.0								1.3	4.8
WNW	.4	.3	.3	.0								1.0	5.0
NW	1.1	.2	2.6	.1								7.1	5.9
NNW	2.8	9.5	12.0	.9	.0							25.1	6.6
VARBL												4.7	
CALM													
	16.0	37.1	35.7	6.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2105

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-60
YEARS

CONDITION

ALL WEATHER
CLASS

MAY
MONTH
2100-2300
HOURS (LST)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.3	7.8	3.1	.2								17.4	4.6
NNE	4.8	3.6	.9									7.4	4.2
NE	2.8	4.0	.9									.7	4.3
ENE	1.8	3.1	.6	.0								5.2	4.4
E	1.4	1.2	.3									2.9	4.0
ESE	.8	.5	.6	.1								1.8	5.8
SE	.7	.9	.4	.0								2.0	5.1
SSE	.9	1.1	1.2	.1								3.3	5.9
S	1.8	3.9	3.9	1.7	.0							13.1	7.4
SSW	1.4	2.3	4.1	1.3	.0							9.3	7.4
SW	.7	1.1	1.0	.3	1.1							3.3	6.7
WSW	.1	.1	.1									.4	5.4
W	.1	.2										.4	4.1
WNW	.2											.2	2.2
NW	1.4	1.6	.5	.0								3.4	4.4
NNW	4.7	7.2	2.8	1.1	.0							14.6	4.7
VARBL													
CALM												7.5	
	27.4	35.0	22.1	4.2	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-66
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.7	9.4	4.2	.7	.0		.0					15.2	5.9
NNE	1.7	1.4	.5	.0								3.6	4.1
NE	1.8	1.3	.2	.0								3.7	3.9
ENE	1.4	1.3	.2	.0								2.9	3.8
E	1.3	1.0	.2	.0								2.6	3.8
ESE	1.1	.8	.2	.0								2.1	4.0
SE	1.0	1.6	.5	.0	.0							3.7	4.4
SSE	1.3	2.9	1.9	.2								6.4	5.6
S	2.1	6.6	7.7	2.0	.1							10.5	7.0
SSW	1.0	3.0	4.0	1.3	.1	.0						9.7	7.6
SW	.8	1.4	1.1	.4	.0							3.7	6.6
WSW	.3	.3	.3	.1								1.2	5.6
W	.4	.3	.1	.0								.8	4.6
WNW	.2	.1	.1	.0								.4	4.5
NW	1.0	1.3	.8	.1								3.3	5.2
NNW	3.0	3.2	3.4	.9	.0							15.5	6.0
VARBL													
CALM												6.6	
	24.6	34.3	27.7	4.2	.3	.0	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

16855

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.0	6.6	.9									14.5	3.8
NNE	3.2	3.0	.5	.0								6.8	3.9
NE	4.7	3.7	.9									9.4	3.8
ENE	3.0	1.8	.3									5.1	3.5
E	1.4	1.5	.2	.0								3.2	4.0
ESE	.4	.3	.2									1.1	4.5
SE	.4	1.0	.4	.1								1.9	5.0
SSE	.8	1.6	1.1	.1								3.6	5.7
S	1.2	4.7	8.0	1.9	.0							15.9	7.4
SSW	2.2	4.8	4.3	.9								12.2	6.4
SW	1.0	1.2	.7	.1								3.1	5.3
WSW	.3	.3										.8	3.7
W	.2	.0										.3	2.8
WNW	.3	.0										.3	2.7
NW	2.0	1.1	.1									3.2	3.5
NNW	4.7	6.3	1.2	.0								12.2	4.2
VARBL													
CALM												6.4	
	32.9	38.3	19.0	3.9	.0							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

2031

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-60
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.7	5.9	.7	.0								13.4	3.8
NNE	2.7	1.8	.3									4.8	3.6
NE	3.3	2.3	.4									6.2	3.7
ENE	3.0	1.7	.3									5.0	3.7
E	1.7	1.2	.1									3.1	3.4
ESE	.6	.5	.2									1.3	4.4
SE	.8	.4	.9	.0								2.6	3.4
SSE	.6	2.3	1.8	.2								4.9	6.4
S	2.0	6.3	7.9	1.6	.0							17.9	6.9
SSW	1.9	3.3	4.1	.8	.0							12.2	6.3
SW	1.8	2.2	.9	.0								4.9	4.6
WSW	.8	.3										1.1	3.2
W	.4											.3	1.7
WNW	.2	.1										.3	3.0
NW	1.9	1.0	.2									3.1	3.4
NNW	3.4	3.3	.6	.0								11.4	3.9
VARBL													
CALM												7.4	
	33.7	37.2	18.7	2.9	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

2030

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.7	4.3	1.3	.0								12.4	3.8
NNE	2.3	1.7	.4									4.5	3.7
NE	2.7	2.0	.1	.0								4.9	3.5
ENE	2.0	1.0	.1									3.2	3.3
E	2.3	1.2	.1									3.6	3.2
ESE	.9	.8	.0	.0								1.8	3.9
SE	1.8	1.3	.5									3.5	4.3
SSE	1.3	2.9	2.4	.1								6.9	5.8
S	2.0	8.8	9.3	1.8	.1	.0						23.0	6.7
SSW	1.3	5.5	5.0	1.2								13.0	6.8
SW	1.3	1.7	1.3	.1								4.4	5.6
WSW	.4	.4	.0									.9	3.9
W	.1	.0										.2	3.0
WNW	.1	.2										.3	3.9
NW	.8	.7	.0									1.6	3.5
NNW	2.4	2.8	1.0	.0								7.8	4.1
VARBL													
CALM												7.8	
	31.2	39.5	21.9	3.3	.1	.0						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

2028

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-69
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.4	4.2	2.0	.1								10.7	4.6
NNE	1.2	.7	.1									2.0	3.7
NE	1.3	.7	.0									2.3	3.2
ENE	.9	.1	.0									1.1	2.0
E	1.3	.5	.1									2.0	3.1
ESE	1.3	1.1										2.6	3.3
SE	3.0	3.5	.8									7.3	4.2
SSE	2.6	5.0	2.8	.2								10.6	5.3
S	2.8	11.0	11.4	2.0	.2							27.4	6.8
SSW	1.1	3.4	4.7	1.3	.0							10.8	7.3
SW	1.0	1.2	.9	.2								3.3	5.5
WSW	.3	.4	.2	.0								1.0	5.6
W	.1	.0	.0									.2	3.8
WNW	.0	.2										.3	4.5
NW	1.2	.8	.6	.0								2.7	4.7
NNW	2.3	3.8	3.8	.0								10.2	5.6
VARBL													
CALM												5.6	
	25.6	36.7	27.6	4.2	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

2031

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.8	5.8	.8	.0							15.6	6.3
NNE	1.1	1.0	.3	.1								2.6	4.6
NE	1.0	.5	.3		.0							1.9	4.3
ENE	.4	.3	.0									.8	3.3
E	1.3	.4	.2									2.0	3.8
ESE	1.4	1.3	.0									2.8	3.6
SE	2.9	3.0	.7	.1								7.3	4.3
SSE	2.4	3.8	2.9	.3								11.3	5.6
S	1.4	7.6	8.5	1.7	.2	.1						19.6	7.3
SSW	1.2	2.6	3.0	1.4	.1							8.3	7.5
SW	1.3	2.2	1.7	.3	.1							5.9	6.4
WSW	.9	.9	.4	.2								2.1	6.0
W	.6	.6	.3	.0								1.6	4.7
WNW	.3	.3	.0									.6	3.9
NW	.5	.7	1.2	.1								2.6	6.3
NNW	1.3	1.7	6.3	1.5								12.8	7.4
VARBL													
CALM												2.2	
	20.8	37.4	31.8	7.0	.5	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2030

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28901

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUN
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.4	9.7	1.3								18.2	7.2
NNE	.9	.9	.8	.1								2.8	5.4
NE	1.2	1.4	.8									3.4	4.9
ENE	.8	.6	.0	.0								1.6	3.9
E	1.6	1.2	.3									3.0	3.9
ESE	1.4	1.2	.3									3.0	4.0
SE	2.3	1.6	.4	.1								4.4	4.0
SSE	2.0	2.8	1.3	.3	.0							6.9	5.7
S	2.3	3.6	4.9	1.6	.2	.0						14.6	6.9
SSW	.9	1.7	3.4	2.0	.1							8.2	6.3
SW	.7	2.4	2.2	.3								3.6	6.4
WSW	.4	.8	1.1	.2								2.6	6.7
W	.3	.6	.4									1.3	4.9
WNW	.2	.3										.7	3.9
NW	.3	1.7	1.2									3.4	6.0
NNW	1.1	4.2	10.1	2.3	.1							17.8	7.9
VARBL												2.6	
CALM													
	18.6	32.3	37.3	8.3	.3	.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2031

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

45-68

YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.2	7.3	8.7	.9	.1							19.2	6.7
NNE	.9	1.8	1.4	.0								4.2	5.6
NE	.6	1.6	1.3	.1								3.6	5.9
ENE	1.2	.8	.2									2.3	4.0
E	1.0	.9	.2									2.1	3.8
ESE	1.2	.6	.1									1.9	3.5
SE	1.0	.9	.4									2.3	4.3
SSE	.8	1.3	1.2	.3								3.7	6.2
S	1.7	2.9	4.2	1.7	.0	.1						10.8	7.4
SSW	.6	2.3	3.1	1.0								7.2	7.3
SW	1.3	2.3	1.9	.1								5.8	5.5
WSW	1.0	.7	.2	.1								2.2	4.4
W	.3	.6	.2									1.3	4.1
WNW	.7	.3	.1									1.1	3.6
NW	.6	2.4	2.4	.1								5.7	6.3
NNW	2.2	9.2	11.3	.0								23.2	6.6
VARBL													
CALM												3.5	
	18.2	36.0	37.0	9.1	.1	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2032

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

48-68
YEARS

YEARS

JUN
MONTH

2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.8	8.6	3.4	.2								20.1	5.1
NNE	2.0	4.3	1.3									8.2	4.6
NE	2.2	4.1	.9	.0								7.2	4.5
ENE	1.4	2.1	.3	.0								4.1	4.3
E	.9	1.2	.4									2.6	4.3
ESE	.7	.3	.1									1.4	4.0
SE	.6	.8	.3	.0								1.8	4.6
SSE	.9	.9	.7	.0	.0							2.7	9.4
S	1.2	3.3	3.2	1.3	.0							11.3	7.3
SSW	1.2	3.5	4.6	.3	.0							10.2	6.8
SW	1.0	1.9	1.1	.1								4.2	5.4
WSW	.6	.3	.0									1.0	3.3
W	.6	.0	.0	.0								.7	3.4
WNW	.1	.1	.0									.3	4.5
NW	1.0	1.8	.6									3.5	4.6
NNW	4.3	7.7	4.0	.0								16.0	5.0
VARBL													
CALM												4.5	
	23.4	41.6	23.0	2.8	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

2026

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-66
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.7	0.0	4.3	.4	.0							19.5	5.3
NNE	1.9	1.9	.6	.0								4.5	4.3
NE	2.1	2.1	.6	.0	.0							4.9	4.1
ENE	1.0	1.1	.2	.0								2.9	3.7
E	1.4	1.0	.2	.0								2.7	3.7
ESE	1.0	.8	.1	.0								2.0	3.8
SE	1.0	1.7	.6	.0								3.9	4.4
SSE	1.9	2.8	1.8	.2	.0							6.3	5.7
S	1.9	0.3	7.4	1.7	.1	.0						17.6	7.1
SSW	1.2	3.6	4.0	1.2	.0							10.2	7.0
SW	1.2	1.9	1.3	.2	.0							4.6	5.6
WSW	.6	.3	.3	.1								1.5	5.0
W	.4	.3	.1	.0								.8	4.1
WNW	.2	.2	.0									.5	3.7
NW	1.1	1.3	.8	.0								3.2	5.0
NNW	3.2	3.4	4.8	.6	.0							13.9	5.9
VARBL													
CALM												5.0	
	25.8	30.9	27.4	4.7	.2	.0						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

16239

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

JUL
MONTH

0000-0200
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.7	8.4	2.1	0.0								18.3	4.1
NNE	4.4	4.3	0.7									9.4	3.9
NE	5.2	5.7	0.8									11.7	3.9
ENE	2.9	2.8	0.3									5.5	3.7
E	1.0	1.2	0.2									3.1	3.7
ESE	0.6	0.6	0.0									0.7	4.1
SE	0.2	0.3	0.3	0.0								0.9	5.8
SSE	0.3	0.9	1.0	0.1								2.2	6.3
S	0.7	1.1	1.1	1.0								8.9	7.4
SSW	1.1	1.3	1.5	0.8								9.6	6.9
SW	0.8	1.3	1.2	0.3								3.5	6.1
WSW	1.2	1.2	0.1									0.6	4.3
W	0.1	0.1										0.3	3.3
WNW	0.4											0.4	2.4
NW	1.7	1.0	0.4									3.7	4.0
NNW	7.2	7.0	1.1									16.0	3.9
VARBL													
CALM												5.4	
	34.9	40.6	10.8	2.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

2158

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	8.4	6.7	1.2									16.2	3.7
NNE	2.1	2.4	.7									6.2	3.8
NE	4.5	2.3	.6									7.6	3.5
ENE	3.0	1.8	.2									5.0	3.3
E	1.2	.9	.3									2.4	4.0
ESE	.4	.4	.1									.9	4.2
SE	.3	.4	.7									1.5	5.8
SSE	.4	1.0	1.3	.0								2.8	6.3
S	.7	3.3	5.4	1.5								11.0	7.7
SSW	1.6	4.8	4.0	.6								10.9	6.2
SW	1.8	2.0	1.6	.1								5.5	5.2
WSW	.3	.1	.1									.7	2.9
W	.2	.1	.0									.4	4.0
WNW	.1	.2	.0									.4	4.6
NW	3.3	1.1	.2									4.7	3.2
NNW	9.0	7.0	.7									16.7	3.6
VARBL													
CAIM												7.0	
	38.7	34.8	17.1	2.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2100

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28904

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHIN JUN FWC
STATION NAME

45-60
YEARS

YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNOTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.1	1.1	0.1								15.2	3.7
NNE	0.1	2.3	1.4	0.0								6.2	3.6
NNE	4.1	2.0	1.7									6.3	3.2
ENE	2.0	1.4	1.1									4.5	3.2
E	2.0	1.7	1.1									2.9	3.2
ESE	1.3	1.4	1.0									1.8	3.1
SE	1.0	1.2	1.5									2.6	4.6
SSE	1.1	1.7	1.0	0.1								4.6	5.8
S	1.0	8.1	7.5	0.9								18.4	6.5
SSW	1.2	4.1	4.4	0.9								10.7	6.6
SW	1.7	1.1	1.0	1.2								6.1	5.1
WSW	0.3	0.3	0.0									1.0	3.8
W	1.2	1.1	0.0									1.4	3.8
WNW	1.1	0.0										1.2	3.3
NW	1.0	0.7	0.1									1.8	3.5
NNW	0.2	0.9	0.0									9.4	3.0
VARBL													
CALM												8.0	
	36.8	35.1	17.8	2.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

2160

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.0	3.4	2.8	.0	.0							12.5	5.1
NNE	2.4	1.2	.2									3.7	3.5
NE	1.4	.7										2.0	3.3
ENE	1.1	.6	.1									1.8	3.2
E	1.1	1.2	.0									2.3	3.7
ESE	1.5	.8	.1									2.4	3.2
SE	3.0	3.0	.4	.1								6.5	4.0
SSE	2.5	4.9	3.0	.3	.0							10.6	5.5
S	3.5	10.0	9.3	1.5								24.1	6.4
SSW	.4	3.7	3.5	.7								8.9	6.7
SW	.9	2.4	1.3	.1								4.7	5.5
WSW	.5	.8	.2									1.4	4.5
W	.6	.1	.0									.7	3.2
WNW	.0	.1										.2	3.1
NW	.4	1.0	.6									2.5	4.8
NNW	2.0	4.7	4.4	.2								12.0	5.7
VARBL													
CALM												3.7	
	27.2	39.1	26.1	3.7	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2161

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FNC
STATION NAME

45-68
YEARS

JUL
MONTH

1200-1400
HOURS (LST.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.6	6.8	0.1	.9	.0							18.4	6.6
NNE	1.3	1.0	.4	.1								2.9	4.6
NE	1.0	.6	.1									1.8	3.6
ENE	.5	.2	.1									.8	4.1
E	1.1	.7	.1									1.9	3.5
ESE	1.3	1.3	.2									3.0	3.7
SE	1.4	4.5	1.1	.0								7.5	4.7
SSE	2.1	3.3	3.1	.5								11.0	5.8
S	2.6	8.0	6.7	1.2								18.5	6.4
SSW	.8	1.9	2.0	.8	.1							5.6	7.2
SW	1.1	1.8	1.9	.1								4.9	5.9
WSW	.3	.7	.3	.0								1.4	5.4
W	.5	.6	.1									1.2	4.3
WNW	.5	.2	.1									.7	3.9
NW	.4	1.0	1.4	.3								3.1	7.0
NNW	1.8	4.4	8.2	1.1								15.4	7.1
VARBL													
CALM												2.0	
	20.0	39.0	33.9	9.0	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2160

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FNC
STATION NAME

45-08
YEARS

JUL
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.3	6.2	13.0	2.0								23.4	7.3
NNE	1.1	1.0	.8	.0								3.0	3.2
NE	.9	.6	.4									1.9	4.5
ENE	.3	.5	.0									.9	4.4
E	.7	.9										1.6	3.7
ESE	1.0	1.3	.2									3.3	3.8
SE	1.9	2.9	.7									5.4	4.3
SSE	1.8	2.8	1.2	.0								5.8	4.9
S	1.7	3.1	4.0	.7								11.5	6.2
SSW	.7	1.9	2.0	1.0								5.5	7.3
SW	.8	1.0	2.4	.3								5.2	6.8
WSW	.3	.4	.6	.0								1.3	6.0
W	.4	.4	.4	.0								1.2	5.6
WNW	.2	.4	.1									.6	4.8
NW	.4	1.3	2.1	.4								4.2	7.1
NNW	1.3	3.4	14.5	1.8								23.0	7.7
VARBL													
CALM												2.1	
	16.3	32.8	42.3	9.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2161

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUL
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.4	8.5	12.4	1.2	.0							24.5	6.9
NNE	1.1	1.6	1.8	.2								4.7	6.0
NE	.8	1.5	1.0	.0								3.4	5.4
ENE	.1	.9	.2									.8	4.8
E	.9	.4	.1									1.0	3.9
ESE	.0	.4										1.0	3.2
SE	1.4	.4	.0									1.6	3.1
SSE	.7	1.5	.6									2.7	5.0
S	1.9	4.3	2.8	.1								8.1	5.7
SSW	.8	1.8	2.6	.6								5.7	7.0
SW	1.0	1.0	1.8	.0								4.4	5.8
WSW	.3	.6	.4	.0								1.4	5.5
W	.9	.9	.1									1.1	4.0
WNW	.4	.2	.0									.5	4.3
NW	.8	3.9	3.3	.2								8.2	6.2
NNW	3.0	11.4	12.5	1.4								28.0	6.6
VARBL													
CALM												2.7	
	19.7	38.1	39.7	2.0	.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2158

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

45-68
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.1	11.0	7.4	.3								24.8	5.4
NNE	2.7	5.0	2.2	.1								10.6	5.1
NE	3.1	6.1	1.7									10.8	4.7
ENE	1.5	2.0	.4	.0								4.5	4.4
E	.6	.5	.1									1.3	3.7
ESE	.0	.1	.0	.0								.3	6.5
SE	.2	.2	.1	.0								.6	5.1
SSE	.3	.8	.6	.1								1.9	5.8
S	.7	2.1	3.2	.5								6.5	7.1
SSW	.7	2.5	2.8	.6								6.6	6.9
SW	1.1	1.8	.7	.0								3.7	4.8
WSW	.3	.2	.1	.0								.7	4.5
W	.2	.1										.4	3.3
WNW	.2	.1	.0									.4	3.3
NW	1.3	2.6	1.1	.0								5.0	5.0
NNW	4.0	9.2	3.4	.1								16.7	5.0
VARBL													
CALM												5.0	
	23.2	49.7	24.2	1.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2157

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	9.4	7.1	6.0	.6	.0							19.2	5.5
NNE	2.4	2.4	.9	.1								5.8	4.4
NE	2.6	2.3	.6	.0								5.7	4.0
ENE	1.0	1.2	.2	.0								3.0	3.7
E	1.1	.0	.1									2.0	3.7
ESE	.9	.7	.1	.0								1.7	3.6
SE	1.2	1.6	.3	.0								3.3	4.4
SSE	1.1	2.4	1.3	.1	.0							5.2	5.6
S	1.7	3.4	3.4	.9								13.4	6.6
SSW	1.0	2.0	3.2	.7	.0							8.0	6.8
SW	1.2	1.9	1.3	.2								4.7	5.7
WSW	.4	.4	.2	.0								1.1	4.8
W	.3	.3	.1	.0								.7	4.2
WNW	.2	.2	.0									.4	3.9
NW	1.2	1.0	1.1	.1								4.1	5.3
NNW	4.3	6.6	3.7	.6								17.1	5.7
VARBL												4.3	
CALM													
	26.6	38.1	27.2	3.3	.0							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

17275

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.7	7.4	1.1									16.2	3.9
NNE	2.5	3.2	.6	.0								6.3	4.0
NE	3.0	3.3	.0									9.1	3.6
ENE	2.5	2.3	.2									5.0	3.6
E	1.8	.0	.1									2.5	3.1
ESE	.5	.2	.1	.0								.9	4.3
SE	.2	.6	.1									.8	4.7
SSE	.4	1.2	.9	.0								2.5	5.9
S	1.5	4.0	3.4	1.0								11.8	7.0
SSW	1.2	3.7	4.3	.8	.0							10.1	6.8
SW	1.7	2.4	1.2	.2								5.5	5.2
WSW	.6	.3	.1									1.2	3.9
W	.5	.1										.5	2.8
WNW	.5	.1										.6	2.5
NW	3.1	2.0	.0									5.2	3.3
NNW	6.3	3.4	.9									15.1	3.7
VARBL													
CALM												6.4	
	38.0	37.8	15.6	2.1	.0							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2164

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

43-68
YEARS

AUG
MONTH

0300-0500
HOURS (EST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.8	6.3	.6									13.8	3.7
NNE	1.9	2.0	.3									4.3	3.9
NE	3.8	3.0	.2									7.0	3.6
ENE	1.3	1.8	.2									3.5	3.8
E	1.2	.7	.1									2.0	3.3
ESE	.4	.0	.1	.0								.5	4.8
SE	1.1	.6	.4	.0								1.1	5.6
SSE	.3	1.0	1.2									2.7	5.8
S	1.0	4.1	3.3	1.2	.0							12.3	6.9
SSW	1.4	4.1	3.9	1.1	.0							13.0	6.9
SW	2.3	3.2	1.6	.2								7.5	9.0
WSW	.4	.3	.1									1.4	3.5
W	.6	.1										.7	2.8
WNW	.3	.1	.0									.6	2.6
NW	3.3	1.7	.1									5.3	3.3
NNW	10.1	6.0	.4									16.5	3.4
VARBL													
CALM												7.8	
	37.8	35.4	16.4	2.3	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2163

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

45-68
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	8.7	5.1	1.0									14.9	3.5
NNE	3.0	1.7	.3									5.5	3.3
NE	4.0	2.0	.3									6.3	3.4
ENE	2.1	1.2	.2									3.4	3.4
E	1.9	1.2	.2									3.3	3.4
ESE	.5	.2	.1									.8	3.7
SE	1.2	.7	.2	.0								2.1	4.1
SSE	.0	1.9	1.4	.1								4.1	6.0
S	2.3	6.2	7.0	1.2	.1							15.7	6.7
SSW	1.9	5.8	5.5	.7								13.9	6.3
SW	2.0	3.4	1.6									7.0	4.9
WSW	.5	.5	.2									1.1	4.0
W	.8	.2	.0									1.0	2.6
WNW	.3	.0										.4	2.8
NW	1.5	.9										2.4	3.1
NNW	5.9	2.5	.6									9.1	3.4
VARBL													
CALM												8.0	
	37.7	33.4	18.7	2.0	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2165

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

49-68

YEARS

AUG

MONTH

0900-1100

HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.4	3.3	3.4	.1								12.7	4.8
NNE	1.8	.5	.0									2.4	3.0
NE	1.0	.6	.0									2.2	2.9
ENE	1.1	.4	.1									1.7	3.4
E	1.7	.8	.1									2.6	3.2
ESE	1.4	1.0	.0									2.4	3.3
SE	3.1	2.3	.6									6.0	3.9
SSE	2.4	4.2	1.6	.0								8.2	4.8
S	3.3	4.6	8.9	1.5	.0							23.4	6.5
SSW	2.0	4.8	4.7	1.1	.0							12.6	6.6
SW	1.2	2.2	1.3	.3								5.1	5.7
WSW	.3	.6	.3									1.2	5.0
W	.6	.3	.1									1.2	4.0
WNW	.2	.2	.0									.5	3.6
NW	1.2	1.3	.4									3.0	4.1
NNW	2.9	3.6	2.5	.2								9.2	5.1
VARBL												3.7	
CALM													
	30.5	30.3	24.2	3.2	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

2163

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

45-60

YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	5.0	6.5	1.0								15.1	6.4
NNE	.8	.7	.2									1.8	4.1
NE	1.0	.5	.2									1.7	3.7
ENE	.4	.3	.1									.9	4.0
E	1.2	.5	.1									1.8	3.4
ESE	1.5	1.3	.1									2.7	3.7
SE	2.7	4.3	.0									7.5	4.2
SSE	2.3	4.9	2.1	.1								9.3	5.0
S	3.2	6.6	6.9	2.3								19.0	6.8
SSW	1.4	3.2	3.0	.9	.1							8.7	6.7
SW	1.0	2.1	1.3	.4								5.4	5.5
WSW	.0	1.6	.6	.0								2.7	5.6
W	.0	.7	.3									1.6	4.8
WNW	.3	.5	.2									1.0	5.2
NW	.9	4.1	1.8	.2								5.0	6.1
NNW	1.7	4.0	7.4	.4								13.5	6.1
VARBL													
CALM												2.3	
	22.8	36.1	31.0	5.1	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2164

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FNC
STATION NAME

45-68
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.3	9.4	1.3								18.6	7.1
NNE	.6	.6	.6	.1								1.9	5.5
NE	.8	.0	.4									1.8	4.6
ENE	.2	.3	.3									1.0	5.1
E	1.2	.9	.2									2.6	3.4
ESE	1.2	.7	.1									2.4	3.3
SE	1.6	2.6	.2									4.7	4.0
SSE	2.1	2.3	.7									5.4	4.3
S	2.5	3.8	4.2	.9								13.9	6.1
SSW	1.1	2.8	2.3	1.1								8.3	7.1
SW	.9	1.6	1.9	.5								5.0	6.6
WSW	.9	.4	.8	.0								2.5	5.3
W	.7	.5	.1	.0								1.8	4.3
WNW	.3	.3	.1									.9	4.4
NW	.4	2.1	3.1	.1								6.3	6.6
NNW	1.7	6.0	11.7	1.6								21.1	7.2
VARBL													
CALM												2.3	
	20.2	34.9	37.2	9.8								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2164

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

AUG
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.3	7.0	7.9	.0								18.1	6.3
NNE	.9	1.0	1.9	.1								4.7	5.9
NE	.8	.9	.8	.0								2.6	5.4
ENE	1.1	.6	.4									2.1	4.1
E	1.3	.4	.1									1.8	3.4
ESE	.5	.3										.8	3.2
SE	.9	.6	.2									1.7	3.6
SSE	.6	.6	.6									1.9	5.0
S	1.8	3.4	3.3	.5								9.0	6.2
SSW	1.1	2.0	3.2	.7								7.1	6.9
SW	1.4	2.3	1.4	.3								5.5	5.7
WSW	.7	.3	.3	.0								1.6	4.6
W	.4	.3	.1									.8	3.4
WNW	.5	.3	.1									1.1	4.2
NW	2.6	5.8	3.0	.1								11.9	5.3
NNW	4.5	11.0	9.7	1.0								26.3	6.0
VARBL													
CALM												3.3	
	21.0	30.2	33.2	3.5								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2164

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-00

YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	3.7	0.0								10.3	4.7
NNE	3.3	4.9	1.6									9.8	4.6
NE	2.9	4.9	1.8									9.6	4.7
ENE	1.2	2.2	.7									4.1	4.6
E	.6	.8	.1									1.5	3.9
ESE	.2	.1	.0									.4	3.7
SE	.3	.3	.0									.7	3.9
SSE	.0	.0	.9	.0								2.3	5.6
S	1.2	2.3	3.7	.0								7.8	6.8
SSW	1.0	2.3	4.6	1.0								9.1	7.4
SW	1.6	2.3	.8	.1								4.9	4.7
WSW	.5	.1	.1									.7	3.6
W	.4	.0										.9	2.2
WNW	.2	.1										.3	2.6
NW	2.0	2.7	.8									6.2	4.2
NNW	6.9	10.1	2.8	.1								19.9	4.6
VARBL													
CALM												3.0	
	30.0	42.9	21.6	1.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

2163

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.3	6.1	4.2	.9								16.0	5.1
NNE	1.9	1.9	.7	.0								4.6	4.3
NE	2.5	2.0	.5	.0								5.0	4.0
ENE	1.3	1.1	.3									2.7	3.9
E	1.4	.7	.1									2.3	3.4
ESE	.8	.5	.1	.0								1.6	3.6
SE	1.3	1.5	.3	.0								3.1	4.1
SSE	1.2	2.2	1.2	.0								4.5	5.1
S	2.2	5.3	5.6	1.1	.0							16.2	6.6
SSW	1.4	3.6	4.3	.9	.0							10.3	6.0
SW	1.6	2.5	1.4	.2								5.7	5.4
WSW	.8	.6	.3	.0								1.6	4.7
W	.6	.4	.1	.0								1.1	3.6
WNW	.3	.2	.1									.7	3.8
NW	2.1	2.3	1.2	.1								5.6	4.8
NNW	3.3	6.1	4.3	.4								16.3	5.2
VARBL													
CALM												4.9	
	29.9	37.1	24.8	3.3	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 17319

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-58
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	9.1	5.8	.8	.1								15.9	3.6
NNE	2.1	1.9	.2									4.4	3.0
NE	3.0	2.3	.2									6.1	3.4
ENE	2.1	1.9	.4									4.3	3.9
E	1.2	.8	.1									2.1	3.5
ESE	.1	.2	.1									.4	4.7
SE	.2	.9	.5									1.9	5.2
SSE	.5	.9	.8	.2	.1							2.5	6.7
S	1.0	2.9	6.2	1.6	.3							13.0	7.7
SSW	1.0	2.4	4.0	1.0	.2							9.2	8.0
SW	1.4	.8	.7	.4								3.1	5.0
WSW	.5	.4	.0									.9	3.7
W	.0	.1										.7	3.0
WNW	.3	.2										.5	3.1
W	2.6	2.4	.1									5.1	3.7
NNW	10.8	8.1	1.0	.1								20.1	3.8
VARBL													
CALM												9.7	
	37.0	32.9	15.3	3.9	.0							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

2094

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	8.3	4.0	.9	.1								13.9	3.5
NNE	2.1	1.9	.5									4.5	4.1
NE	4.7	2.8	.1									7.2	3.4
ENE	1.6	2.0	.2									3.8	4.0
E	1.4	1.0	.2									3.1	3.6
ESE	.4	.2	.0									.5	4.5
SE	.7	.9	.5	.1								2.1	5.6
SSE	.5	1.3	1.6	.2	.0							3.8	6.6
S	1.8	3.6	5.6	2.0	.2							13.3	7.6
SSW	1.4	3.4	3.1	1.1	.3							9.3	7.3
SW	1.1	1.3	.4	.4	.0							3.2	5.4
WSW	.6	.3	.2	.0								1.1	4.2
W	.4	.2										.6	2.6
WNW	.4	.1										.5	2.9
NW	4.3	1.7	.1									6.2	3.0
NNW	9.9	3.8	.8									16.5	3.5
VARBL												10.3	
CALM													
	39.4	31.3	14.3	4.0	.7							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

2097

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	8.3	4.2	1.6	.1								14.3	3.9
NNE	3.1	1.7	.3	.0								3.1	3.6
NE	4.4	3.1	.2									7.7	3.4
ENE	2.5	2.1	.2									4.8	3.6
E	2.1	1.6	.3									4.0	4.7
ESE	1.0	.4	.1									1.4	3.1
SE	1.0	1.0	.9	.0								2.9	5.2
SSE	.7	1.7	1.9	.2								4.5	6.4
S	2.2	3.9	6.3	2.1	.2	.0						14.7	7.5
SSW	1.9	2.6	4.1	.9	.1							9.5	6.7
SW	1.6	1.5	.6	.1								3.8	4.4
WSW	.2	.4	.0									.7	3.9
W	.9	.2	.0									.8	3.2
WNW	.5	.1	.0									.7	2.9
NW	2.8	1.4	.0									4.2	3.3
NNW	6.7	3.3	1.1									11.2	3.7
VARBL													
CALM												9.6	
	39.4	29.3	17.8	3.5	.3	.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2098

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

45-68
YEARS

SEP
MONTH
0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.5	3.9	3.1	.7								14.2	4.9
NNE	2.1	.8	.2	.0								3.1	3.6
NE	1.8	1.0	.0	.0								2.9	3.3
ENE	1.3	.8	.1									2.2	3.3
E	3.0	.9	.1									4.0	3.0
ESE	1.8	.7	.0									2.5	3.1
SE	3.4	1.2	.3									5.0	3.4
SSE	2.2	3.2	1.8	.1								7.3	5.0
S	3.1	7.2	8.5	2.6	.0							21.4	7.0
SSW	1.8	3.0	3.2	1.1	.3							9.3	7.1
SW	1.2	1.3	1.0	.1	.0							3.7	5.6
WSW	.3	.4		.0								.8	4.1
W	.6	.3										1.0	3.1
WNW	.3	.2										.5	3.5
NW	1.7	.8	.4									2.9	3.7
NNW	2.9	3.9	3.4	.3								10.7	5.8
VARBL													
CALM												8.5	
	33.9	29.2	22.3	5.3	.4							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2095

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.5	0.0	1.0	.0							14.8	6.3
NNE	.9	.4	.3									1.6	4.1
NE	1.3	.3	.3	.0								2.0	3.6
ENE	.4	.3	.1									.8	4.3
E	.9	.6	.2									1.8	3.7
ESE	.6	1.0	.1									1.9	4.0
SE	3.0	2.9	.5	.0								6.0	3.8
SSE	2.4	3.4	1.9	.4	.0							8.1	5.3
S	2.8	7.5	7.2	2.7	.2							20.6	7.0
SSW	.9	1.8	2.2	1.4	.4							6.6	8.4
SW	1.3	1.7	1.0	.3	.2							4.8	6.0
WSW	.7	.5	.3	.1	.0							1.7	5.8
W	.3	.4	.0									1.0	3.6
WNW	.8	.2	.0									.6	4.2
NW	1.3	2.2	2.5	.1	.0							6.1	5.9
NNW	4.1	5.9	9.0	1.9								18.5	7.3
VARBL												3.3	
CALM													
	24.0	31.8	31.9	8.0	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2100

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	7.7	1.5								15.5	7.1
NNE	.3	1.0	.8	.0								2.1	5.9
NE	.6	1.0	.5	.0								2.3	5.0
ENE	.0	.4	.2									1.2	4.5
E	1.6	1.0	.0	.1								2.7	3.6
ESE	.6	.7	.2									1.5	4.2
SE	2.4	1.3	.2									4.0	3.5
SSE	1.9	1.5	1.1									4.5	4.8
S	2.1	3.4	4.7	2.4	.2	.0						14.9	7.3
SSW	1.4	1.8	3.2	.9	.4							7.8	7.8
SW	1.4	1.0	1.1	.9	.0							4.7	5.2
WSW	1.0	.7	.4	.2	.0							2.3	5.6
W	.7	.7										1.4	3.5
WNW	.5	.6	.1									1.2	4.1
NW	1.2	3.0	3.6	.1								7.9	6.1
NNW	2.1	6.8	12.1	1.9								22.9	7.2
VARBL													
CALM												3.2	
	20.6	31.0	36.2	7.7	.7	.0						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2100

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNOTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.2	7.3	4.2	.3								18.0	5.0
NNE	1.6	1.2	1.0	.1								3.8	4.9
NE	1.8	1.8	.7									4.2	4.4
ENE	1.3	1.0	.2									2.3	3.6
E	1.2	1.3	.4	.0								3.0	4.2
ESE	.8	.7	.3									1.3	5.0
SE	.7	.8	.4									1.9	4.3
SSE	.9	1.0	.6	.1								2.6	5.3
S	1.0	3.2	4.1	1.6	.2							10.0	7.7
SSW	1.1	1.6	2.6	1.0	.6	.0						6.9	8.3
SW	1.7	1.1	.8	.3	.0							3.9	5.3
WSW	.3	.3	.1	.1								1.0	4.3
W	.8	.2			.0							1.0	3.7
WNW	.2	.3										.5	3.7
NW	3.6	4.6	1.3	.0								9.3	4.3
NNW	6.6	12.3	4.8	.3								23.9	4.9
VARBL													
CALM												5.9	
	29.4	36.3	21.4	3.9	.9	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2097

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

43-63

YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.9	9.3	1.4	.1								18.7	4.1
NNE	2.2	2.6	.5									5.4	4.0
NE	3.3	2.7	.7	.0								6.7	4.0
ENE	1.4	1.8	.4									3.5	4.4
E	1.6	1.1	.2									3.2	3.7
ESE	.3	.3	.1									.7	4.4
SE	.3	.6	.3	.0								1.3	5.5
SSE	.5	1.5	1.1	.1								3.1	5.8
S	1.3	2.6	3.2	2.1	.2							11.4	8.0
SSW	1.2	2.4	2.6	1.6	.2							7.9	7.7
SW	1.0	.9	.8	.2								2.8	6.1
WSW	.2	.1	.0									.4	3.3
W	.3	.0	.0									.4	3.0
WNW	.2	.0	.0									.4	3.2
NW	3.0	2.2	.1									5.3	3.6
NNW	8.9	9.9	1.5	.1								20.4	4.0
VARBL													
CALM												8.4	
	33.9	37.8	13.0	4.3	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

2097

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.6	5.4	3.2	.3	.0							15.7	4.8
NNF	1.8	1.4	.5	.0								3.8	4.1
NE	2.7	1.9	.4	.0								4.9	3.7
ENE	1.4	1.3	.2									2.9	3.9
E	1.7	1.0	.2	.0								3.0	3.6
ESE	.0	.5	.1									1.3	3.9
SE	1.5	1.1	.4	.0								3.1	4.2
SSE	1.2	1.8	1.3	.2	.0							4.6	5.6
S	1.9	4.7	6.0	2.1	.2	.0						14.9	7.4
SSW	1.1	2.4	3.1	1.2	.3	.0						8.3	7.6
SW	1.4	1.2	.8	.3	.1							3.8	5.5
WSW	.5	.4	.1	.1	.0							1.1	4.7
W	.5	.3	.0		.0							.9	3.3
WNW	.4	.2	.0									.6	3.5
NW	2.6	2.3	1.0	.0	.0							5.9	4.4
NNW	6.2	6.9	4.2	.6								18.0	5.1
VARBL												7.4	
CALM													
	32.3	32.8	21.8	5.1	.6	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

16703

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

LCT
MONTH

0000-0200
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	6.1	4.4	1.3	.3								12.3	4.2
NNE	1.0	1.1	.6	.1								3.3	4.3
NE	2.7	2.3	.3									5.3	3.8
ENE	1.7	1.2	.1	.0								3.0	3.7
E	1.7	1.8	.2									3.7	3.8
ESE	.5	.6	.2									1.2	4.5
SE	1.0	.9	.9	.1								2.9	5.6
SSE	1.0	2.1	2.5	.3	.1	.0						6.0	7.0
S	2.7	4.6	7.4	3.5	.5	.2						18.8	8.0
SSW	1.0	1.8	3.7	2.1	.6							9.1	8.9
SW	.8	1.1	.5	.3								2.7	5.8
WSW	.3	.1	.3	.0								.8	5.6
W	.4	.1	.1									.6	3.8
WNW	.3	.1										.4	2.3
NW	2.8	1.5	.5	.0								4.8	3.7
NNW	6.0	4.8	1.5	.1								12.5	4.2
VARBL													
CALM												12.5	
	30.4	28.4	20.3	7.0	1.2	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28401

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

65-63
YEARS

YEARS

ALL WEATHER
CLASS

0300-0500
MONTH

HOURS (LST)

CONDITION

SPEED (KNOTS), DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.9	3.4	1.9	.2								11.4	4.4
NNE	1.8	1.2	.5	.1								3.6	4.3
NE	3.2	2.6	.4	.1								6.4	3.0
ENE	1.4	1.7	.4									3.9	4.1
E	2.2	.9	.3									3.4	3.6
ESE	.4	.4	.3	.0								1.1	5.1
SE	1.1	1.2	1.1	.2		.0						3.5	5.7
SSE	1.0	2.4	2.0	.7	.1	.0						6.2	6.9
S	2.2	4.9	7.2	3.9	.8	.0						18.6	8.2
SSW	.9	2.0	3.4	2.9	.5	.1						10.4	8.9
SW	.8	1.0	.7	.4								2.8	3.2
WSW	.3	.8	.4									1.2	5.3
W	.0	.3										.8	3.1
WNW	.5	.1										.6	2.8
NW	2.7	.9	.3									3.9	3.2
NNW	0.1	.3	1.1	.1	.1							10.7	4.0
VARBL												11.4	
CALM													
	31.3	27.3	20.0	8.2	1.5	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

1968

YEARS

OCT
MONTH

0600-0300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS, DIR)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.6	3.2	1.9	.1								10.0	4.6
NNE	1.0	1.1	.6									3.3	4.2
NE	3.2	2.1	.4									6.0	3.3
ENE	1.0	2.5	.3									4.7	4.0
E	2.0	1.7	.2	.0								4.0	3.7
ESE	.4	.6	.2	.3								1.4	6.1
SE	.4	1.4	.9	.5								3.5	5.7
SSE	1.5	2.4	2.2	.7	.1							6.9	6.6
S	2.5	3.4	7.9	3.6	.3							20.2	8.0
SSW	1.4	2.8	3.2	2.5	.3	.2						10.4	8.4
SW	1.2	1.1	.6	.3	.0	.0						3.4	5.8
WSW	.4	.5	.1	.0								1.1	4.4
W	.6	.1	.0									.7	2.9
WNW	.4	.1	.1									.6	3.8
NW	2.4	1.1	.5	.1								4.1	4.0
NNW	2.7	2.7	1.2									7.9	4.1
VAR31												12.1	
CALM													
	24.4	28.3	20.5	8.1	1.0	.2						100.0	5.1
TOTAL NUMBER OF OBSERVATIONS													2109

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N, C, 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON PHC
STATION NAME

45-58

YEARS

0CT
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4-6	7 10	11 16	17-21	22 27	28-33	34 40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.5	2.8	.0								10.6	5.0
NNE	1.4	1.0	.4	.0								2.8	4.3
NE	2.9	.9	.4									4.2	3.4
ENE	1.3	.0	.1									2.0	3.4
E	2.2	.0	.2	.1								3.1	3.3
ESE	1.4	.0	.3		.0							2.4	4.1
SE	3.3	1.0	1.0	.4								6.2	4.6
SSE	2.4	2.7	2.7	.0								8.4	3.9
S	2.7	6.0	8.2	5.0	.8	.0						23.9	8.0
SSW	1.3	1.8	4.1	2.0	.7	.0						10.6	9.1
SW	.9	1.2	.7	.4	.2							3.4	6.9
WSW	.5	.2	.4	.1								1.2	5.6
W	.2	.1	.0									.5	3.3
WNW	.2	.1										.4	3.6
NW	.6	.6	.5	.0								1.9	4.8
NNW	2.2	2.1	2.4	.3	.0							7.1	3.0
VARBL													
CALM												11.2	
	29.4	22.9	24.2	10.3	1.8	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244 SEATTLE WASHINGTON FWC
STATION STATION NAME

45-08

YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.9	3.8	.8								10.1	6.2
NNE	1.0	.3	.3	.3								1.9	5.5
NE	.8	.3	.5									1.8	4.9
ENE	.3	.3	.5	.0								1.1	6.6
E	1.3	.6	.6	.0								2.9	4.5
ESE	.8	.6	.2	.1								1.8	4.7
SE	3.3	1.6	.0	.3								6.3	4.3
SSE	2.3	3.3	2.5	.7		.1						8.8	6.1
S	3.6	7.4	7.3	4.4	1.1	.1						24.0	7.9
SSW	1.6	2.0	4.0	3.6	.6	.1						12.2	9.1
SW	1.2	1.4	1.2	1.1	.3							5.1	7.9
WSW	.3	.2	.1		.1							.9	5.4
W	.6	.3	.1	.0								1.3	4.2
WNW	.2	.0	.1									.4	4.4
NW	.9	.9	1.3	.1								3.2	5.8
NNW	2.0	3.2	4.1	1.1	.0							10.4	6.8
VARBL													
CALM												7.9	
	23.4	26.4	27.5	12.6	2.0	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-08
YEARS

YEARS

UCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.0	4.3	.6								10.6	6.2
NNE	.8	.6	.7	.2								2.3	5.7
NE	1.1	.7	.5	.2								2.5	5.1
ENE	.4	.8	.5									1.7	5.3
E	.6	1.1	.7	.1								2.5	5.5
ESE	.3	.3	.3	.1								1.3	5.4
SE	1.6	1.2	1.1	.0								3.9	4.8
SSE	1.6	2.3	1.0	.7	.1	.2						6.7	6.8
S	3.4	3.3	6.3	4.1	.6	.1						19.7	7.8
SSW	1.6	2.0	3.6	2.3	.4	.1						11.1	9.0
SW	1.3	1.1	.8	.5	.1							4.1	6.4
WSW	.6	.3	.3	.1	.1							1.3	6.4
W	.9	.6	.1	.1								1.7	4.0
WNW	.6	.6	.2									1.3	4.3
NW	1.9	3.3	1.9	.2								7.2	5.3
NNW	2.7	3.6	3.2	1.3	.0							14.9	6.4
VARBL													
CALM												7.1	
	22.4	29.0	28.0	11.7	1.4	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2169

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-53

YEARS

607
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.0	5.7	2.5	.3								13.4	4.7
NNE	1.4	1.0	.0									2.4	3.4
NE	1.5	1.8	.6									3.9	4.4
ENE	1.2	1.2	.2									2.6	4.2
E	1.7	1.2	1.1	.0								4.0	4.8
ESE	.4	.5	.5									1.6	4.9
SE	1.2	1.8	1.6	.2								4.9	5.0
SSE	1.2	2.0	1.8	.4	.0	.0						5.5	6.1
S	2.2	4.2	6.6	3.2	.7	.1						17.1	8.1
SSW	.6	1.8	3.5	2.1	.4	.0						8.3	9.1
SW	.6	.6	.7	.2	.0							2.2	6.4
WSW	.4	.4	.1	.1								1.0	6.7
W	.3	.2	.3									.9	5.5
WNW	.2	.3	.1									.6	4.5
NW	2.8	2.3	.9	.0								6.5	4.1
NNW	6.3	7.4	2.1	.2								16.0	4.4
VARBL													
CALM												9.2	
	27.1	32.7	22.7	6.8	1.2	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

2170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-60
YEARS

OCT
MONTH

2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.9	5.4	1.7	.1								14.2	4.1
NNE	1.3	1.4	.4									3.1	4.0
N°	2.2	1.9	.3									4.3	3.7
ENE	1.4	.9	.1	.0								2.5	3.7
E	1.9	1.7	.4	.0								4.0	3.9
ESE	.9	.8	.3	.1								1.7	5.1
SE	.9	1.7	1.7	.1	.0							4.3	6.1
SSE	1.1	1.8	2.2	.6	.1	.0						5.9	6.9
S	2.1	4.2	7.8	3.4	.5	.0	.0	.0				18.0	8.4
SSW	.6	1.7	3.6	2.3	.6	.0						8.7	9.4
SW	.6	.7	.7	.2	.0							2.4	6.3
WSW	.1	.3	.3									.6	6.1
W	.3	.1		.0								.5	4.1
WNW	.2	.1										.3	3.3
NW	1.9	1.5	.8	.0								4.3	4.6
NNW	6.3	6.2	1.3	.1								14.0	4.1
VARBL													
CALM												11.1	
	28.3	30.3	21.6	7.1	1.2	.1	.0	.0				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-50
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.8	3.0	2.5	.4								11.6	4.9
NNE	1.3	1.0	.4	.1								2.8	4.4
NE	2.2	1.6	.4	.0								4.3	3.9
ENE	1.2	1.2	.3	.0								2.7	4.1
E	1.7	1.2	.3	.1								3.5	4.1
ESE	.6	.6	.3	.1	.0							1.6	4.9
SE	1.7	1.4	1.1	.2	.0	.0						4.5	5.2
SSE	1.5	2.4	2.2	.6	.1	.1						6.8	6.3
S	2.8	3.2	7.3	3.9	.7	.1	.0	.0				20.0	8.0
SSW	1.2	2.1	3.6	2.7	.9	.1						10.1	9.0
SW	1.0	1.0	.7	.4	.1	.0						3.2	6.6
WSW	.4	.3	.3	.1	.0							1.0	5.6
W	.3	.3	.1	.0								.9	3.9
WNW	.3	.2	.1									.6	3.9
NW	2.0	1.3	.8	.1								4.3	4.5
NNW	4.4	4.4	2.4	.4	.0							11.7	5.0
VARBL													
CALM												10.3	
	27.7	28.3	23.1	9.0	1.4	.2	.0	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

17355

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.2	1.2	.5								9.5	4.4
NNE	1.5	1.3	.4									3.2	4.1
NE	3.2	1.9	.1									3.3	3.4
ENE	1.9	1.7	.2									3.7	3.7
E	2.4	2.1	.4	.1								3.0	4.0
ESE	.6	.7	.6	.0								1.9	3.1
SE	1.2	1.0	1.1	.2	.1							4.2	3.8
SSE	1.4	1.4	2.0	.7	.0							6.2	7.0
S	2.8	4.2	7.5	4.6	1.0	.1	.0					20.4	8.7
SSW	1.1	1.0	2.0	2.2	.9							8.7	9.3
SW	.8	1.3	1.0	.3	.2	.1						3.8	7.3
WSW	.0	.3	.1									.5	3.8
W	.4	.2										.6	2.6
WNW	.0	.1	.1									.3	3.0
NW	2.0	1.2	.4	.0								3.6	4.0
NNW	4.0	3.1	1.3	.3	.1							11.8	4.7
VARBL													
CALM												11.5	
	24.7	24.0	20.1	9.2	2.3	.2	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2093

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.3	4.4	.8	.4	.0							10.9	4.1
NNE	1.6	1.4	.0	.1								3.7	4.7
NE	2.9	2.1	.2									5.2	3.5
ENE	1.7	1.5	.5	.0								3.8	4.2
E	2.5	1.7	.5	.0								4.8	3.7
ESE	.4	.6	.3	.2								1.6	6.4
SE	1.3	1.7	.9	.2								4.1	5.3
SSE	1.1	1.8	1.9	1.1	.2							6.0	7.5
S	3.0	4.9	6.8	3.6	.9	.0						21.2	8.5
SSW	1.0	3.1	2.2	2.2	.8	.1						9.5	8.9
SW	.6	1.0	1.1	.7	.1							3.7	7.4
WSW	.5	.3	.0									.9	3.3
W	.9	.2	.1									.8	3.4
WNW	.4											.3	2.6
NW	2.2	1.2	.5	.0								4.0	4.0
NNW	3.9	3.9	1.4	.4	.0							9.3	4.7
VARBL													
CALM												10.4	
	29.0	24.4	17.7	11.2	2.2	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2093

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

NOV
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.8	1.5	.2	.1							10.2	4.4
NNE	1.3	1.2	.5									3.1	4.3
NE	2.5	2.3	.3									5.2	3.8
ENE	2.1	2.0	.3									4.3	3.9
E	2.8	1.4	.2									4.3	3.3
ESE	.5	.9	.3	.2								1.3	6.1
SE	1.1	1.5	.9	.1								3.7	5.4
SSE	1.3	2.0	2.1	1.0	.3							6.7	7.3
S	3.1	5.2	7.7	4.5	.6	.0						21.3	8.0
SSW	1.5	2.3	3.1	2.8	.7	.1						10.5	8.9
SW	1.3	.8	.9	.3	.0			.0				3.4	6.3
WSW	.2	.4	.1									.8	4.6
W	.6	.1	.0									.8	3.0
WNW	.1	.1										.3	2.8
NW	2.4	1.0	.2	.2								3.7	3.9
NNW	4.1	2.5	1.9	.3	.0							8.9	4.9
VARBL													
CALM												11.2	
	29.3	27.5	20.2	9.7	1.9	.1		.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2094

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-60
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.8	2.1	.9	.1	.0						9.3	5.3
NNF	1.7	1.2	.3	.1								3.4	4.2
NE	2.5	2.0	.2									4.7	3.7
ENE	1.8	1.3	.5									3.6	4.1
E	2.9	1.9	.4	.9								4.9	3.8
ESE	1.1	.8	.1	.2		.0						2.3	5.0
SE	2.1	1.3	.9	.2								4.5	4.7
SSE	1.7	2.5	1.9	.6	.1							6.8	6.3
S	3.2	3.9	4.4	3.0	1.1	.2						23.8	8.5
SSW	1.6	2.8	4.0	3.1	.4	.1						11.9	8.6
SW	1.2	1.0	1.2	.1	.2	.0						3.9	6.4
WSW	.3	.2	.2	.0								.9	4.9
W	.5	.2										.7	3.1
WNW	.1	.2										.3	3.6
NW	.9	.7	.2	.2								2.0	4.8
NNW	1.9	1.9	1.5	.4	.1							5.8	5.8
VARBL													
CALM												11.4	
	27.0	20.6	21.8	10.5	2.2	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2094

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

NOV
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.2	3.6	1.1	.3	.0						10.2	6.8
NNE	.4	.7	.5	.1								2.2	4.9
NE	1.1	.9	.3	.1								2.4	4.4
ENE	1.4	.0	.3	.0								2.5	3.8
E	1.3	.9	.8	.2								3.2	5.2
ESE	1.3	.3	.6	.2								2.9	5.1
SE	2.8	1.1	1.0	.2	.1							3.3	4.8
SSE	2.3	1.8	1.7	1.2	.0							7.1	6.5
S	4.6	3.8	8.4	3.4	1.3	.2						23.7	8.3
SSW	1.3	2.4	3.2	3.1	.8	.1						11.1	9.2
SW	1.3	1.4	1.0	1.1	.1	.1						3.0	7.4
WSW	.4	.3	.1									1.0	4.4
W	.3	.3	.1	.0								.9	4.6
WNW	.2	.1										.3	3.3
NW	.8	.6	.6	.2								2.2	5.4
NNW	1.6	2.1	2.0	.9	.2							7.9	7.2
VARBL													
CALM												10.2	
	24.7	22.2	25.2	13.9	3.1	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2094

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

NOV
MONTH

1500-1700
HOURS (LST.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.3	3.1	1.4								9.0	6.7
NNE	.8	.8	1.0									2.6	5.4
NE	.9	1.7	.3									2.9	4.3
ENE	1.0	1.1	.3	.0								2.6	4.6
E	1.4	2.2	1.2	.1								3.0	5.2
ESE	1.1	1.1	.8	.2								3.2	5.4
SE	1.8	2.0	2.1	.4	.0							6.3	5.9
SSE	1.2	2.6	2.1	.9	.0							6.8	6.8
S	3.9	3.3	7.3	3.3	.8	.1						23.0	8.3
SSW	1.1	1.9	2.8	2.4	.4	.2						8.9	9.2
SW	1.6	.9	1.1	.7	.2	.0						4.5	7.1
WSW	.2	.2	.1	.1								.7	3.5
W	.4	.3	.1									.8	4.3
WNW	.1	.2	.0									.4	4.6
NW	1.2	1.3	.7	.1								3.4	4.9
NNW	1.8	3.2	3.1	1.1	.3							9.6	7.0
VARBL													
CALM												10.3	
	20.7	27.3	26.6	12.9	1.8	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2094

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.3	1.9	.7	.0	.0						10.2	3.4
NNE	1.1	1.1	.4	.1								2.8	4.6
NE	1.9	1.6	.3									4.1	4.1
ENE	1.3	1.9	.2									3.6	4.1
E	2.2	2.1	.9		.0							5.2	4.3
ESE	.8	.9	.3	.2								2.4	3.4
SE	2.0	2.3	1.9	.4								6.7	3.7
SSE	1.2	2.0	2.2	.9	.1	.0						6.4	6.9
S	4.7	3.7	7.1	3.3	.3	.1						19.3	8.3
SSW	.8	1.9	2.4	2.4	.4	.1	.0					8.0	9.5
SW	.9	.9	.9	1.0	.2							3.8	8.2
WSW	.4	.2	.1									.7	3.7
W	.2	.0										.2	2.6
WNW	.4	.2	.0									.6	3.7
NW	1.8	1.3	.6	.1								4.0	4.7
NNW	4.2	4.4	2.2	.3	.1							11.2	3.0
VARBL													
CALM												10.5	
	23.3	29.1	21.7	11.7	1.2	.3	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2043

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-50

YEARS

NOV
MONTH

2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNOTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.6	4.4	2.2	1.2								12.1	4.5
NNE	1.5	1.1	1.2	1.0								2.9	3.2
NE	2.6	1.4	1.3									4.2	3.6
ENE	4.6	1.0	1.2									4.0	3.8
E	2.5	1.9	1.4	1.0								4.9	3.8
ESE	1.5	1.4	1.6	1.1								1.8	3.8
SE	1.1	1.0	1.3	1.1								4.3	3.3
SSE	1.9	2.8	2.4	1.2	1.1							6.7	6.0
S	2.4	4.7	7.9	3.6	1.8	1.5						21.3	9.0
SSW	1.2	1.2	2.7	2.1	1.5	2.2	1.0					7.9	9.6
SW	1.6	1.1	1.8	1.9	1.1	1.1						3.2	7.7
WSW	1.6	1.3	1.0	1.0								1.8	4.6
W	1.5	1.1										1.0	2.6
WNW	1.2											1.2	1.6
NW	4.1	1.4	1.1	1.0	1.0	1.1						3.6	4.4
NNW	4.5	4.9	1.1	1.5	1.1							9.8	4.8
VARBL													
CALM												11.4	
	24.2	27.6	20.1	9.9	1.8	1.9	1.0					100.0	5.6
TOTAL NUMBER OF OBSERVATIONS													2091

DATA PROCESSING DIVISION
ETAC, USAF
ASHIEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.4	2.0	.6	.1	.0						10.2	5.2
NNE	1.9	1.1	.5	.1								3.0	4.5
NE	2.2	1.7	.3	.0								4.2	3.8
ENE	1.7	1.3	.3	.0								3.5	4.0
E	4.2	1.8	.6	.1	.0							4.6	4.2
ESE	.8	.7	.3	.2		.0						2.2	5.5
SE	1.7	1.7	1.3	.3	.0	.0						4.9	5.4
SSE	1.4	2.1	2.1	.9	.1	.0						6.6	6.9
S	3.2	5.0	7.6	5.2	.8	.2	.0					22.1	8.5
SSW	1.4	2.2	2.9	2.5	.6	.1	.0					9.6	9.1
SW	1.1	1.1	1.0	.0	.2	.0		.0				3.9	7.2
WSW	.3	.3	.1	.0								.8	4.5
W	.4	.2	.0	.0								.7	3.4
WNW	.2	.1	.0									.3	3.5
NW	1.6	1.1	.4	.1	.0	.0						3.3	4.5
NNW	3.3	3.3	2.0	.5	.1							9.3	5.4
VARBL													
CALM												10.9	
	26.6	27.2	21.7	11.1	2.1	.4	.0	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

16746

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON F#C
STATION "N7 AE"

45-68

YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.2	1.2	.1	.0							7.2	4.4
NNE	1.0	1.2	.5									2.7	4.3
NE	2.4	2.1	.4									4.8	3.8
ENE	2.3	1.8	.3	.0								4.7	3.8
E	2.4	1.8	.2		.1		.1					4.7	4.4
ESE	.6	.8	.3	.2	.0							2.1	6.0
SE	1.4	1.8	.8	.3	.0							4.3	5.4
SSE	1.3	1.6	1.8	.7	.1							5.3	6.8
S	2.4	5.0	8.5	5.2	1.5	.1						22.6	9.0
SSW	1.2	2.4	4.5	2.0	1.1	.3						12.8	10.0
SW	1.0	1.0	1.2	.5	.1							3.8	7.0
WSW	.2	.4	.3	.0								.9	6.0
W	.3	.2	.1									.8	3.7
WNW	.1	.2										.3	3.4
NW	1.6	.6	.2	.1	.0							2.3	4.1
NNW	3.4	3.4	.6	.1	.1	.1						7.7	4.6
VARBL													
CALM												12.4	
	25.8	26.6	20.9	10.4	3.3	.7	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2169

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-06
YEARS

DEC
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.4	1.0	.3	.0	.1						6.8	3.0
NNE	1.3	1.0	.3	.0								2.8	4.5
NE	1.9	1.8	.2									3.9	3.9
ENE	2.0	1.3	.3	.0								3.9	3.8
E	2.9	1.8	.1	.0			.1					5.0	4.1
ESE	.9	.9	.3	.3								2.4	5.3
SE	1.4	1.9	1.0	.3								4.6	5.2
SSE	1.3	2.8	1.7	.7	.1							6.6	6.5
S	2.6	4.8	7.6	6.3	1.0	.0						22.5	8.9
SSW	1.2	2.5	4.0	2.5	1.1	.3						12.0	9.6
SW	.8	1.3	1.0	1.2	.0	.0						4.6	7.8
WSW	.4	.4	.3	.0								1.1	3.4
W	.3	.3	.0	.1								.3	5.3
WNW	.2	.1	.1									.4	4.4
NW	.9	.8	.2	.1	.0							2.1	4.7
NNW	3.7	3.1	1.7	.2								8.6	4.7
VARBL													
CALM												12.1	
	24.8	27.4	20.0	12.8	3.4	.3	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

43-68
YEARS

DEC
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.3	1.0	.2	.0							6.4	4.5
NNE	1.2	1.1	.5	.1								2.8	4.7
NE	2.5	1.0	.4	.0								4.6	3.8
ENE	1.0	2.3	.7	.0								4.6	4.4
E	2.0	1.9	.8				.1					4.8	4.8
ESE	.8	.8	.5	.4	.1							2.4	5.9
SE	1.3	1.3	.9	.2								3.7	5.1
SSE	1.4	2.1	2.4	.8								6.6	6.7
S	2.9	3.2	3.2	3.3	1.1	.2						23.1	8.8
SSW	1.2	2.4	4.0	2.8	.8							11.3	9.0
SW	.9	1.1	.8	.5	.1	.0						3.4	7.1
WSW	.6	.3	.5	.1								1.5	5.7
W	.8	.1	.1	.1								1.2	4.3
WNW	.4	.2		.0								.6	4.1
NW	1.4	.7	.4	.0	.1							2.7	5.1
NNW	2.9	2.9	1.6	.5	.0	.0						7.9	5.4
VARBL													
CALM												12.3	
	24.6	20.9	22.6	11.2	2.4	.3	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

2166

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

DEC
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17-21	22-27	28-33	34 40	41 47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.4	1.7	.6	.0							8.1	5.4
NNE	1.1	1.2	.3	.1								2.7	4.9
NE	2.2	1.9	.2	.0								4.4	3.7
ENE	2.1	1.5	.2	.1								3.9	3.7
E	2.3	1.3	.4	.3								4.5	4.4
ESE	.7	.3	.3	.1		.2						1.8	7.0
SE	2.0	1.3	1.3	.1								5.0	5.1
SSE	1.8	2.1	2.3	.3	.1							6.9	6.4
S	3.4	5.9	9.0	7.0	1.2	.3	.0					26.7	8.8
SSW	1.1	3.0	4.2	3.5	.8	.4	.0					13.0	9.8
SW	.9	1.2	1.2	.6	.1	.0						4.1	7.3
WSW	.3	.1	.1	.3	.0							.9	7.6
W	.6	.1	.1									.8	3.7
WNW	.2	.1	.0									.4	3.9
NW	1.0	.4	.3	.1								1.9	5.0
NNW	2.1	1.9	1.2	.2								5.4	5.1
VARBL													
CALM												9.7	
	25.0	29.3	23.1	13.6	2.3	.9	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2105

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

DEC
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.8	2.4	.0	.2							7.8	6.3
NNE	.0	1.2	.8	.1								2.9	5.3
NE	1.4	1.2	.4	.0								3.1	4.0
ENE	1.0	1.2	.5	.0	.0							3.1	4.4
E	2.6	1.7	.5	.2								4.6	4.3
ESE	.7	.8	.5	.4	.2	.0						2.0	7.6
SE	4.0	1.2	.7	.3	.0	.0						4.3	5.2
SSE	1.0	2.3	2.1	.6	.0							6.7	6.4
S	4.4	5.2	9.7	5.6	1.8	.2						27.0	8.6
SSW	1.1	4.0	3.7	4.1	2.3	.2						14.3	10.5
SW	1.1	1.1	1.0	.9	.4							4.4	8.2
WSW	.3	.2	.3	.2	.1							1.1	8.3
W	.3	.4										.5	3.5
WNW	.1											.1	2.3
NW	.0	.4	.4	.2								1.6	5.9
NNW	1.3	1.8	1.3	.6	.1							5.3	6.5
VARBL													
CALM												10.5	
	21.9	23.3	24.4	14.0	9.4	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

2104

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

DEC
MONTH

1500-1700
HOURS (LST.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.4	2.2	1.0	.2							7.6	6.7
NNE	.7	1.0	1.2	.2								3.0	6.2
NE	1.0	1.3	.6	.0								3.5	4.4
ENE	1.4	1.2	.3	.0								3.0	4.3
E	2.3	2.0	.3	.2								4.8	4.3
ESE	1.0	1.0	.6	.4								3.0	6.0
SE	1.0	1.8	1.2	.6								5.2	5.7
SSE	1.2	2.1	2.1	.6	.2	.0						6.2	6.5
S	3.3	3.3	7.2	6.1	2.0	.2						24.2	9.1
SSW	1.3	2.3	3.9	3.7	1.6	.5						13.4	10.1
SW	1.3	1.2	.9	.8	.1	.0	.0					4.4	7.2
WSW	.3	.4	.1	.1	.1							1.1	6.9
W	.7	.0	.1	.0								.9	4.0
WNW	.1	.4	.1									.6	4.8
NW	1.7	.8	.7	.1								3.2	4.5
NNW	1.3	2.4	1.7	.3								5.9	5.3
VARBL												10.0	
CALM													
	22.0	29.6	23.3	14.1	4.2	.8	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2169

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON PAC
STATION NAME

95-08

YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.6	1.9	.3	.1							7.3	5.6
NNE	1.1	1.0	.6	.0								2.7	4.6
NE	2.2	1.8	.3									4.5	3.9
ENE	1.8	1.7	.3									3.8	3.8
E	2.0	2.2	.6	.1								3.5	4.1
ESE	1.1	1.0	.5	.4	.1	.0						3.1	6.2
SE	1.9	1.8	1.0	.6								5.2	5.4
SSE	1.8	2.2	2.7	.8	.2	.0						7.2	7.3
S	2.6	4.8	7.7	3.9	.8	.5	.0					22.0	9.2
SSW	1.0	1.8	3.3	3.7	1.3	.2	.0					11.5	10.6
SW	.6	.9	.8	.8	.1	.0						3.3	8.2
WSW	.4	.2	.1	.0								.6	6.3
W	.2	.3										.6	3.6
WNW	.1	.0	.1	.0								.3	8.1
NW	1.2	.9	.5	.2								2.8	4.9
NNW	3.1	3.0	1.3	.3	.0							7.8	4.8
VARBL													
CALM												11.2	
	23.5	26.2	22.1	13.4	2.7	.8	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2167

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

DEC
MONTH

2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	3.1	2.5	1.9	.2								7.8	5.0
NNE	.9	.8	.2		.0							1.9	4.4
NE	2.2	1.8	.3	.0		.0						4.4	4.0
ENE	1.9	1.8	.2	.0								3.9	4.0
E	2.7	1.8	.6	.1								5.2	4.1
ESE	.6	.9	.5	.3	.1	.1						2.6	7.4
SE	1.5	1.3	1.1	.3								4.0	5.6
SSE	1.1	2.2	2.8	.5								6.7	6.8
S	2.5	5.5	8.1	6.1	1.3	.2						23.5	9.0
SSW	1.1	2.3	3.1	3.9	1.4	.4						12.2	10.7
SW	.8	.7	1.0	.8		.0						3.4	7.8
WSW	.2	.4	.3	.0								.9	5.7
W	.5	.3	.0									.8	3.5
WNW	.3											.3	2.3
NW	1.6	.0	.5	.1								2.8	4.7
NNW	3.1	3.4	.7	.2	.0	.0						7.6	4.5
VARBL												11.9	
CALM													
	23.6	20.3	21.3	13.0	2.9	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2169

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-08
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.3	1.7	.5	.1	.0						7.4	5.4
NNE	1.0	1.1	.6	.1	.0							2.7	4.8
NE	2.0	1.7	.4	.0	.0	.0						4.2	3.8
ENE	1.8	1.6	.3	.0	.0							3.9	4.0
E	2.4	1.8	.4	.1	.0		.0					4.9	4.3
ESE	.8	.8	.4	.3	.1	.1						2.5	6.4
SE	1.0	1.6	1.0	.3	.0	.0						4.5	5.3
SSE	1.4	2.2	2.3	.7	.1	.0						6.6	6.7
S	2.9	5.2	8.2	6.0	1.3	.2	.0					24.0	8.9
SSW	1.2	2.5	3.8	3.5	1.3	.3	.0					12.6	10.1
SW	.9	1.1	1.0	.8	.1	.0	.0					3.9	7.6
WSW	.3	.3	.2	.1	.0							1.0	6.5
W	.2	.2	.1	.0								.8	4.0
WNW	.2	.1	.1	.0								.4	4.4
NW	1.2	.7	.4	.1	.0							2.3	4.8
NNW	2.0	4.7	1.3	.3	.1	.0						7.0	5.1
VARBL													
CALM												11.2	
	23.9	23.9	22.2	12.8	3.2	.7	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

17339

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.4	3.0	.6	.2	.0	.0					12.6	3.2
NNE	1.9	1.3	.5	.1	.0	.0						3.4	4.3
NE	2.2	1.7	.4	.0	.0	.0						4.3	3.9
ENE	1.1	1.2	.2	.0	.0							2.9	3.9
E	1.0	1.2	.2	.0	.0		.0					3.2	3.9
ESE	.9	.7	.3	.1	.0	.0						1.9	4.8
SE	1.8	1.3	.7	.2	.0	.0						4.0	4.9
SSE	1.4	2.4	1.4	.5	.1	.0						6.3	8.2
S	2.3	3.3	7.4	3.7	.0	.1	.0	.0				19.0	8.0
SSW	1.2	4.0	3.7	2.2	.5	.1	.0	.0	.0			10.4	8.6
SW	1.0	1.3	1.1	.5	.1	.0	.0	.0				4.0	6.5
WSW	.4	.4	.2	.1	.0	.0						1.1	5.4
W	.4	.3	.1	.0	.0							.8	4.0
WNW	.2	.2	.1	.0	.0							.5	4.0
NW	1.4	1.3	.8	.1	.0	.0						3.6	4.9
NNW	3.8	4.7	3.9	.6	.1	.0						12.7	5.6
VARBL												8.6	
CALM													
	26.2	30.7	24.2	8.6	1.3	.2	.0	.0	.0			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 198370

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24244
STATION

SEATTLE WASHINGTON FWC
STATION NAME

45-68

YEARS

ALL
MONTH

ALL
HOURS (EST)

INSTRUMENT
CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.8	1.6	.3	.1							8.7	4.8
NNE	1.5	1.3	.5	.1	.0	.0						3.4	4.5
NE	2.1	1.8	.4	.0	.0							4.3	3.9
ENE	1.6	1.2	.3	.0								3.2	3.9
E	2.0	1.2	.3	.0								3.6	3.7
ESE	.9	.5	.2	.0	.0	.0						1.6	4.2
SE	1.7	1.3	.8	.1	.0							3.8	4.7
SSE	1.7	2.0	2.4	.5	.1	.0						7.3	6.3
S	2.4	7.1	8.8	4.1	.9	.2	.0					24.5	7.9
SSW	1.9	3.8	4.5	2.3	.7	.1	.0					13.4	8.1
SW	1.5	1.9	1.0	.3	.1	.0	.0	.0				4.8	5.6
WSW	.5	.4	.1	.0	.0							1.1	4.4
W	.9	.2	.0	.0								.8	3.0
WNW	.3	.2	.0	.0								.5	3.7
NW	1.0	.8	.3	.1	.0	.0						2.8	4.1
NNW	3.5	2.2	1.0	.3	.1	.0						7.0	4.5
VARBL													
CAUM												9.3	
	28.4	29.9	22.1	8.5	1.9	.3	.0	.0				100.0	5.5
TOTAL NUMBER OF OBSERVATIONS													21920

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY


This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅕	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
ETAC 1000
PROVIDED BY THE USER

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME SEATTLE TOWER MONTH 1
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/4	≥ 0
NO CEILING	21.5	20.0	21.1	22.5	23.1	23.1	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
≥ 25000	17.1	22.5	23.5	24.5	25.1	25.1	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
N 18000	17.5	22.9	23.9	24.9	25.2	25.2	25.8	25.8	25.8	26.1	26.1	26.1	26.1	26.1	26.1	26.1
N 16000	17.0	22.1	24.0	24.9	25.4	25.4	26.0	26.0	26.0	26.3	26.3	26.3	26.3	26.3	26.3	26.3
N 14000	17.4	23.9	24.7	25.5	26.2	26.2	26.7	26.7	26.7	27.1	27.1	27.1	27.1	27.1	27.1	27.1
N 12000	17.2	24.1	25.0	25.9	26.7	26.7	27.3	27.3	27.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6
N 10000	17.1	24.5	25.0	26.1	26.7	26.7	27.3	27.3	27.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6
N 9000	17.5	24.1	25.2	26.2	27.0	27.0	27.6	27.6	27.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0
N 8000	17.7	24.1	25.2	26.1	26.9	26.9	27.5	27.5	27.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8
N 7000	17.5	24.0	25.1	26.2	27.0	27.0	27.6	27.6	27.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0
N 6000	17.1	24.1	25.5	26.5	27.4	27.4	28.0	28.0	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3
N 5000	17.2	24.2	25.1	26.1	27.0	27.0	27.6	27.6	27.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0
N 4500	17.1	24.0	25.5	26.5	27.4	27.4	28.0	28.0	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3
N 4000	17.5	24.5	25.5	26.5	27.5	27.5	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
N 3500	17.4	24.0	25.4	26.4	27.3	27.3	27.9	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2
N 3000	17.5	24.0	25.4	26.4	27.3	27.3	27.9	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2
N 2500	17.3	24.3	25.6	26.6	27.5	27.5	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
N 2000	17.2	24.1	25.7	26.7	27.6	27.6	28.2	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5
N 1800	17.3	24.3	25.7	26.7	27.6	27.6	28.2	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5
N 1500	17.1	24.1	25.4	26.4	27.3	27.3	27.9	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2
N 1200	17.4	24.3	25.7	26.7	27.6	27.6	28.2	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5
N 1000	17.4	24.0	25.3	26.3	27.2	27.2	27.8	27.8	27.8	28.1	28.1	28.1	28.1	28.1	28.1	28.1
N 900	17.4	24.1	25.9	26.9	27.8	27.8	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7
N 800	17.0	24.5	25.4	26.4	27.3	27.3	27.9	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2
N 700	17.5	24.5	25.5	26.5	27.4	27.4	28.0	28.0	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3
N 600	17.0	24.0	25.4	26.4	27.3	27.3	27.9	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2
N 500	17.1	24.4	25.5	26.5	27.4	27.4	28.0	28.0	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3
N 400	17.1	24.4	25.6	26.6	27.5	27.5	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
N 300	17.1	24.2	25.9	26.9	27.8	27.8	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7
N 200	17.1	24.2	25.9	26.9	27.8	27.8	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7
N 100	17.1	24.2	25.9	26.9	27.8	27.8	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7
N 0	17.1	24.2	25.9	26.9	27.8	27.8	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7

TOTAL NUMBER OF OBSERVATIONS 17

CEILING VERSUS VISIBILITY

YEARS

MONIA

62 (1) - 15 (0)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	≥ 5/8	¾	≥ 5/16	¾	≥ 0
NO CEILING ≥ 20000	25.0	24.0	23.5	23.0	22.4	21.7	21.0	20.3	19.6	18.9	18.1	17.4	16.7	16.0	15.3	14.6
N 18000 16000	23.5	22.1	21.3	20.7	19.9	19.1	18.3	17.5	16.7	15.9	15.1	14.3	13.5	12.7	11.9	11.1
N 14000 12000	21.7	20.3	19.5	18.9	18.1	17.3	16.5	15.7	14.9	14.1	13.3	12.5	11.7	10.9	10.1	9.3
N 10000 9000	19.9	18.5	17.7	17.1	16.3	15.5	14.7	13.9	13.1	12.3	11.5	10.7	9.9	9.1	8.3	7.5
N 8000 7000	18.1	16.7	15.9	15.3	14.5	13.7	12.9	12.1	11.3	10.5	9.7	8.9	8.1	7.3	6.5	5.7
N 6000 5000	16.3	14.9	14.1	13.5	12.7	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.3	5.5	4.7	3.9
N 4500 4000	14.5	13.1	12.3	11.7	10.9	10.1	9.3	8.5	7.7	6.9	6.1	5.3	4.5	3.7	2.9	2.1
N 3500 3000	12.7	11.3	10.5	9.9	9.1	8.3	7.5	6.7	5.9	5.1	4.3	3.5	2.7	1.9	1.1	0.3
N 2500 2000	10.9	9.5	8.7	8.1	7.3	6.5	5.7	4.9	4.1	3.3	2.5	1.7	0.9	0.1	-0.7	-1.5
N 1800 1500	9.1	7.7	6.9	6.3	5.5	4.7	3.9	3.1	2.3	1.5	0.7	-0.1	-0.9	-1.7	-2.5	-3.3
N 1200 1000	7.3	5.9	5.1	4.5	3.7	2.9	2.1	1.3	0.5	-0.3	-1.1	-1.9	-2.7	-3.5	-4.3	-5.1
N 900 800	5.5	4.1	3.3	2.7	1.9	1.1	0.3	-0.5	-1.3	-2.1	-2.9	-3.7	-4.5	-5.3	-6.1	-6.9
N 700 600	3.7	2.3	1.5	0.9	0.1	-0.7	-1.5	-2.3	-3.1	-3.9	-4.7	-5.5	-6.3	-7.1	-7.9	-8.7
N 500 400	1.9	0.5	-0.3	-1.1	-1.9	-2.7	-3.5	-4.3	-5.1	-5.9	-6.7	-7.5	-8.3	-9.1	-9.9	-10.7
N 300 200	0.1	-1.3	-2.1	-2.9	-3.7	-4.5	-5.3	-6.1	-6.9	-7.7	-8.5	-9.3	-10.1	-10.9	-11.7	-12.5
N 100 0	-1.5	-2.9	-3.7	-4.5	-5.3	-6.1	-6.9	-7.7	-8.5	-9.3	-10.1	-10.9	-11.7	-12.5	-13.3	-14.1

TOTAL NUMBER OF OBSERVATIONS

3

DATA PROCESSING DIVISION
ETAC, BASE
PROVIDED, 10-2-50

CEILING VERSUS VISIBILITY

STATION: 24244 SEATTLE, WASH. STATION NAME: YEARS: MONTH: 03-10-03-10 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	14.1	16.0	16.4	16.5	16.6	16.7	16.9	16.9	16.9	17.1	17.1	17.2	17.3	17.3	17.3	17.3
≥ 20000	16.2	16.9	17.3	17.3	17.6	17.7	18.1	18.2	18.2	18.3	18.3	18.4	18.5	18.5	18.5	18.5
≥ 18000	16.7	17.0	17.4	17.5	17.8	17.9	18.2	18.3	18.3	18.4	18.5	18.5	18.6	18.6	18.6	18.6
≥ 16000	16.8	17.1	17.5	17.6	17.9	18.0	18.3	18.4	18.4	18.5	18.6	18.6	18.7	18.7	18.7	18.7
≥ 14000	17.2	17.5	17.9	18.0	18.3	18.4	18.7	18.8	18.8	18.9	19.0	19.0	19.1	19.1	19.1	19.1
≥ 12000	17.1	17.4	17.8	17.9	18.2	18.3	18.6	18.7	18.7	18.8	18.9	18.9	19.0	19.0	19.0	19.0
≥ 10000	17.2	17.5	17.9	18.0	18.3	18.4	18.7	18.8	18.8	18.9	19.0	19.0	19.1	19.1	19.1	19.1
≥ 9000	17.1	17.4	17.8	17.9	18.2	18.3	18.6	18.7	18.7	18.8	18.9	18.9	19.0	19.0	19.0	19.0
≥ 8000	17.3	17.6	18.0	18.1	18.4	18.5	18.8	18.9	18.9	19.0	19.1	19.1	19.2	19.2	19.2	19.2
≥ 7000	17.4	17.7	18.1	18.2	18.5	18.6	18.9	19.0	19.0	19.1	19.2	19.2	19.3	19.3	19.3	19.3
≥ 6000	17.5	17.8	18.2	18.3	18.6	18.7	19.0	19.1	19.1	19.2	19.3	19.3	19.4	19.4	19.4	19.4
≥ 5000	17.6	17.9	18.3	18.4	18.7	18.8	19.1	19.2	19.2	19.3	19.4	19.4	19.5	19.5	19.5	19.5
≥ 4500	17.7	18.0	18.4	18.5	18.8	18.9	19.2	19.3	19.3	19.4	19.5	19.5	19.6	19.6	19.6	19.6
≥ 4000	17.8	18.1	18.5	18.6	18.9	19.0	19.3	19.4	19.4	19.5	19.6	19.6	19.7	19.7	19.7	19.7
≥ 3500	17.9	18.2	18.6	18.7	19.0	19.1	19.4	19.5	19.5	19.6	19.7	19.7	19.8	19.8	19.8	19.8
≥ 3000	18.0	18.3	18.7	18.8	19.1	19.2	19.5	19.6	19.6	19.7	19.8	19.8	19.9	19.9	19.9	19.9
≥ 2500	18.1	18.4	18.8	18.9	19.2	19.3	19.6	19.7	19.7	19.8	19.9	19.9	20.0	20.0	20.0	20.0
≥ 2000	18.2	18.5	18.9	19.0	19.3	19.4	19.7	19.8	19.8	19.9	20.0	20.0	20.1	20.1	20.1	20.1
≥ 1800	18.3	18.6	19.0	19.1	19.4	19.5	19.8	19.9	19.9	20.0	20.1	20.1	20.2	20.2	20.2	20.2
≥ 1500	18.4	18.7	19.1	19.2	19.5	19.6	19.9	20.0	20.0	20.1	20.2	20.2	20.3	20.3	20.3	20.3
≥ 1200	18.5	18.8	19.2	19.3	19.6	19.7	20.0	20.1	20.1	20.2	20.3	20.3	20.4	20.4	20.4	20.4
≥ 1000	18.6	18.9	19.3	19.4	19.7	19.8	20.1	20.2	20.2	20.3	20.4	20.4	20.5	20.5	20.5	20.5
≥ 900	18.7	19.0	19.4	19.5	19.8	19.9	20.2	20.3	20.3	20.4	20.5	20.5	20.6	20.6	20.6	20.6
≥ 800	18.8	19.1	19.5	19.6	19.9	20.0	20.3	20.4	20.4	20.5	20.6	20.6	20.7	20.7	20.7	20.7
≥ 700	18.9	19.2	19.6	19.7	20.0	20.1	20.4	20.5	20.5	20.6	20.7	20.7	20.8	20.8	20.8	20.8
≥ 600	19.0	19.3	19.7	19.8	20.1	20.2	20.5	20.6	20.6	20.7	20.8	20.8	20.9	20.9	20.9	20.9
≥ 500	19.1	19.4	19.8	19.9	20.2	20.3	20.6	20.7	20.7	20.8	20.9	20.9	21.0	21.0	21.0	21.0
≥ 400	19.2	19.5	19.9	20.0	20.3	20.4	20.7	20.8	20.8	20.9	21.0	21.0	21.1	21.1	21.1	21.1
≥ 300	19.3	19.6	20.0	20.1	20.4	20.5	20.8	20.9	20.9	21.0	21.1	21.1	21.2	21.2	21.2	21.2
≥ 200	19.4	19.7	20.1	20.2	20.5	20.6	20.9	21.0	21.0	21.1	21.2	21.2	21.3	21.3	21.3	21.3
≥ 100	19.5	19.8	20.2	20.3	20.6	20.7	21.0	21.1	21.1	21.2	21.3	21.3	21.4	21.4	21.4	21.4
≥ 0	19.6	19.9	20.3	20.4	20.7	20.8	21.1	21.2	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5

TOTAL NUMBER OF OBSERVATIONS: 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON 1960

1960

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING ≥ 20000	15.2	14.0	15.0	15.2	15.3	15.3	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.7
18000	16.1	14.0	19.2	19.4	19.5	19.5	19.5	19.5	19.5	19.9	20.0	20.0	20.1	20.7	20.2
16000	17.2	14.2	19.0	19.3	20.0	20.0	20.0	20.0	20.0	20.4	20.4	20.4	20.7	20.7	20.7
14000	17.0	14.2	19.0	20.1	20.3	20.3	20.3	20.3	20.3	20.7	20.7	20.7	20.9	21.0	21.0
12000	18.2	20.4	20.9	21.1	21.3	21.3	21.3	21.3	21.3	21.7	21.7	21.7	21.7	21.9	21.9
10000	19.9	22.1	22.5	22.0	23.0	23.0	23.1	23.2	23.2	23.5	23.7	23.7	23.7	23.8	23.8
9000	22.1	24.3	24.8	25.3	25.2	25.3	25.3	25.5	25.5	25.5	25.5	25.9	26.0	26.1	26.1
8000	23.0	25.3	25.8	26.0	26.3	26.3	26.4	26.5	26.5	26.6	26.9	26.9	27.0	27.1	27.1
7000	25.2	28.0	28.7	29.0	29.3	29.3	29.4	29.5	29.5	29.8	29.9	29.9	30.0	30.1	30.1
6000	27.4	30.0	31.3	31.7	31.9	32.0	32.1	32.3	32.3	32.7	32.9	32.9	32.9	33.0	33.0
5000	29.1	32.1	33.2	33.0	33.9	34.0	34.1	34.3	34.3	34.7	34.7	34.7	34.9	35.0	35.0
4500	31.2	33.2	36.3	36.6	37.1	37.2	37.3	37.5	37.5	37.9	38.0	38.0	38.1	38.2	38.2
4000	33.1	34.2	40.2	41.1	41.5	41.7	41.8	42.0	42.0	42.4	42.5	42.5	42.6	42.7	42.7
3500	35.3	41.2	43.2	44.2	44.7	44.9	45.0	45.2	45.2	45.6	45.7	45.7	45.7	45.8	45.8
3000	38.4	47.1	46.6	49.0	50.5	50.6	50.7	50.9	50.9	51.4	51.4	51.5	51.7	51.8	51.8
2500	39.9	50.0	51.8	53.2	54.0	54.1	54.4	54.5	54.6	55.1	55.1	55.1	55.4	55.5	55.5
2000	42.2	52.9	58.1	59.7	60.6	60.6	61.2	61.2	61.5	61.9	62.0	62.0	62.3	62.4	62.4
1800	46.4	63.1	65.6	67.5	68.5	68.8	69.4	69.7	69.7	70.2	70.2	70.3	70.5	70.6	70.6
1500	47.0	66.0	68.7	70.7	71.8	72.1	72.7	73.0	73.0	73.5	73.6	73.6	73.8	74.0	74.0
1200	50.3	71.9	75.1	77.5	78.6	79.0	79.6	80.0	80.0	80.3	80.3	80.6	80.9	81.0	81.0
1000	51.2	74.9	78.3	81.3	82.6	83.1	83.7	84.1	84.1	84.0	84.9	85.0	85.3	85.4	85.4
900	52.0	77.0	80.9	84.0	85.4	85.9	86.6	87.2	87.2	88.0	88.1	88.3	88.7	88.8	88.8
800	52.1	77.0	81.7	84.9	86.5	86.9	87.7	88.4	88.4	89.2	89.3	89.5	89.9	90.0	90.0
700	52.2	78.2	82.3	85.7	87.4	88.0	88.9	89.7	89.7	90.5	90.7	90.8	91.2	91.4	91.4
600	52.2	78.2	82.7	86.2	88.1	88.7	89.7	90.5	90.5	91.4	91.6	91.6	92.2	92.3	92.3
500	52.3	78.9	83.2	87.3	89.0	90.5	91.9	92.7	92.7	93.6	93.9	94.1	94.6	94.6	94.6
400	52.3	78.9	83.2	87.6	90.1	91.1	92.6	93.8	93.8	94.6	95.1	95.4	95.9	96.1	96.1
300	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.2	94.2	95.3	95.9	96.1	97.1	97.4	97.4
200	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.4	94.4	95.5	96.3	96.5	97.8	98.3	98.3
100	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.4	94.4	95.6	96.5	96.5	98.1	98.7	98.7
0	52.3	78.9	83.2	87.6	90.1	91.2	93.1	94.4	94.4	95.6	96.5	96.5	98.2	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 17.1

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 44244 SEATTLE WASHINGTON, INC.

49-00

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	15.5	10.1	17.0	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
NV 18000	18.7	20.5	20.5	20.9	21.2	21.2	21.3	21.3	21.3	21.4	21.5	21.5	21.5	21.5	21.5	21.5
NV 16000	19.1	20.5	20.8	21.2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
NV 14000	19.2	20.5	20.9	21.3	21.6	21.6	21.6	21.6	21.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8
NV 12000	20.4	22.1	22.4	22.6	23.1	23.1	23.1	23.1	23.1	23.3	23.4	23.4	23.4	23.4	23.4	23.4
NV 10000	22.0	23.4	24.2	24.9	25.2	25.2	25.2	25.2	25.2	25.3	25.4	25.4	25.4	25.4	25.4	25.4
NV 9000	25.0	27.3	27.6	28.3	28.6	28.7	28.7	28.7	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0
NV 8000	26.3	28.1	29.0	29.6	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4
NV 7000	29.3	32.1	32.5	33.4	33.8	33.7	34.0	34.0	34.0	34.2	34.4	34.4	34.4	34.4	34.4	34.4
NV 6000	30.4	33.2	34.0	34.5	35.3	35.4	35.5	35.5	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7
NV 5000	31.0	33.2	35.9	36.7	37.3	37.4	37.6	37.7	37.7	37.9	38.1	38.1	38.1	38.1	38.1	38.1
NV 4500	33.4	37.0	38.9	39.8	40.3	40.2	40.7	40.7	40.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1
NV 4000	35.1	40.0	41.6	43.0	43.6	43.7	44.0	44.0	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4
NV 3500	37.2	44.0	45.1	46.5	47.2	47.4	47.7	47.7	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1
NV 3000	39.5	46.0	49.6	51.3	52.2	52.5	52.8	52.7	53.0	53.1	53.4	53.4	53.4	53.4	53.4	53.4
NV 2500	42.1	48.3	54.2	56.1	57.1	57.4	57.8	57.7	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4
NV 2000	45.1	51.4	59.9	62.1	63.5	63.8	64.2	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
NV 1800	49.9	55.0	68.3	70.4	72.3	72.6	73.2	73.6	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1
NV 1500	50.8	56.1	70.6	73.5	75.1	75.4	76.1	76.5	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0
NV 1200	52.7	72.0	75.6	78.8	80.8	81.2	82.1	82.5	82.6	82.8	83.1	83.1	83.1	83.1	83.1	83.1
NV 1000	53.4	76.1	79.3	82.9	85.4	85.9	86.9	87.5	87.6	87.9	88.1	88.2	88.4	88.4	88.4	88.4
NV 900	53.7	77.1	81.5	85.4	88.2	88.6	90.0	90.0	90.7	91.0	91.2	91.2	91.5	91.5	91.5	91.5
NV 800	53.7	78.1	81.9	86.1	89.0	89.5	90.8	91.0	91.5	92.1	92.3	92.3	92.5	92.6	92.6	92.6
NV 700	53.7	78.2	82.4	86.8	89.9	90.4	91.7	92.0	92.7	93.2	93.4	93.4	93.7	93.7	93.7	93.7
NV 600	53.7	78.6	82.9	87.3	90.8	91.3	92.7	93.5	93.6	94.1	94.3	94.3	94.6	94.6	94.6	94.6
NV 500	53.7	79.1	83.2	87.9	91.5	92.0	93.5	94.4	94.5	95.2	95.0	95.0	95.4	95.4	95.4	95.4
NV 400	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.1	96.2	97.1	97.3	97.3	97.5	97.5	97.5	97.5
NV 300	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.5	97.5	97.5	97.9	97.9	97.9	97.9
NV 200	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.5	97.5	97.5	97.9	97.9	97.9	97.9
NV 100	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.5	97.5	97.5	97.9	97.9	97.9	97.9
NV 0	53.8	79.1	83.4	88.4	92.3	93.0	95.2	96.2	96.3	97.5	97.5	97.5	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

11.7

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 STATION SEATTLE WASHINGTON 100

100

YEARS

100

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.2	17.1	17.1	17.5	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
≥ 20000	19.3	22.4	22.7	23.1	23.4	23.4	23.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 18000	20.0	22.0	22.9	23.3	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
≥ 16000	20.5	23.1	23.4	23.7	24.1	24.1	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 14000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 12000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 10000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 9000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 8000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 7000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 6000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 5000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 4500	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 4000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 3500	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 3000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 2500	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 2000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 1800	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 1500	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 1200	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 1000	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 900	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 800	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 700	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 600	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 500	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 400	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 300	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 200	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 100	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 0	21.0	24.0	24.8	25.2	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ANNVILLE, PA. C. 20001

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME SEATTLE METRO FIELD

YEARS 1967

MONTH 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-2000
HOURS 573

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	17.3	10.4	20.0	21.4	21.7	21.3	21.7	22.1	22.1	22.2	22.2	22.2	22.3	22.3	22.4	22.4
NV 18000	19.7	13.7	24.1	24.3	23.1	23.2	23.5	23.1	23.7	23.5	23.7	23.7	23.0	23.0	23.1	23.2
NV 16000	20.1	14.1	24.5	23.2	23.5	23.5	23.5	20.1	23.1	23.1	23.2	23.4	23.4	23.4	23.5	23.5
NV 14000	20.3	14.3	24.8	23.4	23.7	23.6	23.2	20.4	23.4	23.5	23.6	23.7	23.7	23.7	23.8	23.8
NV 12000	20.7	14.4	25.3	23.7	23.3	23.4	23.3	21.3	23.9	23.2	23.5	23.5	23.4	23.4	23.5	23.5
NV 10000	21.7	16.3	26.4	24.4	23.9	23.1	23.3	20.7	23.1	23.3	23.1	23.1	23.1	23.2	23.2	23.3
NV 9000	24.0	19.0	30.2	31.0	31.6	31.1	32.2	32.5	32.4	32.1	32.0	32.0	32.0	32.0	32.0	32.0
NV 8000	25.7	21.1	31.6	32.4	32.9	33.0	33.5	33.1	33.0	32.4	32.4	32.4	32.4	32.4	32.4	32.4
NV 7000	28.4	24.0	35.1	35.9	36.4	36.5	37.0	37.4	37.4	37.4	37.7	37.0	37.0	37.0	37.0	37.0
NV 6000	30.3	26.0	38.5	39.3	39.8	39.9	40.4	40.4	40.4	41.1	41.0	41.2	41.3	41.3	41.4	41.4
NV 5000	32.0	28.0	40.6	41.5	42.2	42.3	42.9	43.5	43.3	43.5	43.7	43.7	43.8	43.8	43.8	43.9
NV 4500	33.0	28.1	43.5	43.0	43.7	43.8	44.4	45.0	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7
NV 4000	36.1	40.5	47.3	48.0	48.3	48.5	50.1	50.3	50.3	50.7	50.9	50.9	50.9	50.9	51.0	51.0
NV 3500	37.9	50.2	51.0	52.4	53.1	53.4	54.0	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6
NV 3000	37.4	53.0	54.9	56.5	57.4	57.7	58.2	58.7	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1
NV 2500	41.3	56.0	58.5	62.0	63.2	63.5	64.1	64.6	64.6	64.8	65.0	65.0	65.0	65.0	65.1	65.1
NV 2000	43.5	63.7	65.4	67.0	68.8	69.2	69.8	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
NV 1800	45.0	64.5	66.7	68.9	70.2	70.7	70.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
NV 1600	46.2	71.5	74.0	76.3	77.6	78.1	78.7	79.4	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8
NV 1500	48.3	76.4	79.1	81.9	83.5	83.9	84.7	85.4	85.4	85.5	85.7	85.7	85.8	85.8	85.9	85.9
NV 1200	49.1	80.1	83.2	86.2	87.9	88.4	89.1	89.7	89.7	90.0	90.2	90.2	90.3	90.3	90.4	90.4
NV 1000	49.4	82.4	85.8	89.0	90.7	91.2	92.0	92.6	92.6	92.9	93.1	93.1	93.2	93.2	93.3	93.3
NV 900	49.4	84.7	86.2	89.6	91.4	91.8	92.6	93.3	93.3	93.5	93.7	93.7	93.8	93.8	93.9	93.9
NV 800	49.5	85.5	86.8	90.2	92.1	92.6	93.7	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
NV 700	49.5	85.5	87.2	90.6	92.6	93.0	94.2	94.5	94.5	94.8	95.2	95.4	95.4	95.4	95.4	95.4
NV 600	49.5	85.7	87.4	90.9	93.0	93.5	94.6	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
NV 500	49.5	85.8	87.6	91.1	93.4	94.0	95.2	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
NV 400	49.5	85.8	87.9	91.5	94.1	94.7	96.1	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
NV 300	49.5	85.9	88.0	91.8	94.6	95.2	96.7	97.4	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1
NV 200	49.5	85.9	88.0	91.8	94.6	95.3	96.8	97.5	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1
NV 100	49.5	85.9	88.0	91.7	94.7	95.3	96.8	97.5	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2
NV 0	49.5	85.9	88.0	91.7	94.7	95.3	96.8	97.5	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON INC
STATION NAME

40
YEARS

YEARS

1-4
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21,000-23,000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.0	20.9	21.4	22.0	22.4	22.9	23.3	23.4	23.4	23.1	23.7	23.1	23.8	23.1	23.9	23.9
≥ 20000	17.1	22.4	23.4	24.3	25.1	25.1	25.5	25.7	25.7	25.0	25.0	25.0	25.2	25.1	25.3	25.3
IV 18000	18.3	23.1	23.8	24.7	25.5	25.5	25.9	26.1	26.1	26.4	26.4	26.4	26.6	26.6	26.7	26.7
≥ 16000	18.4	23.2	23.8	24.7	25.5	25.5	25.9	26.1	26.1	26.4	26.4	26.4	26.6	26.6	26.7	26.7
IV 14000	19.0	23.4	24.1	25.1	26.0	26.0	26.4	26.6	26.6	26.7	26.7	26.7	26.9	26.9	27.1	27.2
≥ 12000	19.3	23.5	24.2	25.2	26.1	26.1	26.5	26.7	26.7	26.9	26.9	26.9	27.1	27.1	27.3	27.3
IV 10000	20.0	24.0	24.3	25.4	26.3	26.3	26.7	26.9	26.9	27.1	27.1	27.1	27.3	27.3	27.5	27.5
≥ 9000	20.5	24.0	24.4	25.5	26.4	26.4	26.8	27.0	27.0	27.2	27.2	27.2	27.4	27.4	27.6	27.6
IV 8000	21.1	24.1	24.9	26.0	26.9	26.9	27.3	27.5	27.5	27.7	27.7	27.7	27.9	27.9	28.1	28.1
≥ 7000	21.5	24.5	25.7	26.6	27.7	27.7	28.0	28.2	28.2	28.4	28.4	28.4	28.6	28.6	28.8	28.8
IV 6000	22.1	24.7	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 5000	22.3	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 4500	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 4000	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 3500	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 3000	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 2500	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 2000	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 1800	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 1500	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 1200	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 1000	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 900	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 800	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 700	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 600	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 500	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 400	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 300	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 200	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
IV 100	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0
≥ 0	22.5	24.8	25.7	26.8	27.8	27.8	28.2	28.4	28.4	28.6	28.6	28.6	28.8	28.8	29.0	29.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
4244

STATION NAME
SHUTTLE CREEK

YEARS
1960

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	15.2	16.2	16.0	19.1	19.4	19.4	19.5	19.7	19.7	19.6	19.6	19.6	19.7	19.7	19.7	20.0
≥ 20000	13.1	21.3	21.8	22.4	22.7	22.3	23.1	23.1	23.1	23.3	23.4	23.4	23.5	23.5	23.5	23.6
≥ 18000	18.2	21.5	22.1	22.0	23.0	23.0	23.3	23.4	23.4	23.0	23.0	23.0	23.1	23.3	23.3	23.7
≥ 16000	18.5	21.7	22.3	22.0	23.2	23.1	23.5	23.0	23.0	23.0	23.0	23.0	23.0	23.0	24.0	24.1
≥ 14000	19.1	22.0	23.2	23.7	24.1	24.2	24.5	24.7	24.5	24.7	24.7	24.7	24.7	24.7	25.0	25.0
≥ 12000	20.5	24.3	24.4	25.5	25.0	25.0	26.3	26.4	26.4	26.6	26.6	26.6	26.7	26.7	26.9	26.9
≥ 10000	22.5	26.7	27.4	28.1	28.6	28.7	29.0	29.1	29.1	29.3	29.4	29.4	29.4	29.5	29.5	29.6
≥ 9000	23.5	27.4	28.6	29.3	29.8	29.9	30.7	30.4	30.4	30.6	30.7	30.7	30.7	30.7	30.9	30.9
≥ 8000	25.5	30.0	31.5	32.2	32.7	32.8	33.2	33.3	33.3	33.6	33.7	33.7	33.7	33.9	33.9	33.9
≥ 7000	27.5	33.1	33.9	34.7	35.3	35.4	35.7	35.7	35.7	36.0	36.2	36.3	36.3	36.4	36.4	36.5
≥ 6000	29.7	35.0	35.8	36.6	37.3	37.4	37.7	37.7	37.7	38.2	38.2	38.3	38.3	38.4	38.4	38.5
≥ 5000	30.4	35.4	36.4	37.3	38.0	38.0	38.4	38.4	38.4	38.9	38.9	39.0	39.0	39.1	39.1	39.2
≥ 4500	33.0	41.0	42.5	43.8	44.3	44.7	45.1	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.8	45.8
≥ 4000	34.5	44.0	45.9	47.0	47.8	47.7	48.4	48.0	48.0	48.9	48.9	49.0	49.0	49.1	49.2	49.2
≥ 3500	35.5	49.0	50.3	51.6	52.5	52.7	53.1	53.4	53.4	53.7	53.7	53.7	53.7	53.9	54.0	54.0
≥ 3000	39.0	53.1	54.7	56.2	57.2	57.4	57.9	58.2	58.2	58.5	58.5	58.5	58.5	58.8	58.8	58.8
≥ 2500	41.0	54.2	56.2	57.9	59.1	59.3	60.9	60.7	60.3	60.6	60.7	60.7	60.8	60.8	60.9	60.9
≥ 2000	44.8	56.0	58.3	60.5	61.6	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 1800	45.9	58.4	60.9	63.1	64.4	64.7	65.5	65.5	65.9	66.2	66.3	66.3	66.3	66.3	66.5	66.5
≥ 1500	48.3	63.4	65.3	67.7	68.2	68.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 1200	49.3	77.0	80.2	83.0	84.7	85.1	86.0	86.4	86.4	86.9	87.1	87.0	87.2	87.2	87.3	87.3
≥ 1000	50.0	79.1	82.7	85.0	87.3	87.9	88.9	89.4	89.4	89.9	90.0	90.1	90.3	90.3	90.3	90.4
≥ 900	50.1	79.7	83.3	86.4	88.3	88.8	89.8	90.4	90.4	90.9	91.0	91.1	91.3	91.3	91.3	91.4
≥ 800	50.2	80.2	83.9	87.1	89.2	89.6	90.9	91.4	91.4	92.0	92.2	92.2	92.4	92.4	92.5	92.5
≥ 700	50.2	80.6	84.4	87.7	90.0	90.4	91.7	92.3	92.3	92.9	93.1	93.1	93.3	93.3	93.4	93.4
≥ 600	50.2	80.8	84.8	88.2	90.5	91.1	92.4	93.0	93.0	93.7	93.9	93.9	94.2	94.2	94.2	94.3
≥ 500	50.2	81.0	85.0	88.6	91.1	91.7	93.3	94.0	94.0	94.7	95.0	95.0	95.4	95.4	95.4	95.5
≥ 400	50.2	81.1	85.2	88.9	91.6	92.3	94.1	94.0	94.8	95.6	95.7	95.9	96.3	96.4	96.5	96.5
≥ 300	50.2	81.1	85.3	89.0	91.8	92.5	94.4	95.3	95.3	96.7	96.6	96.9	97.1	97.1	97.2	97.2
≥ 200	50.2	81.1	85.3	89.1	91.9	92.6	94.5	95.5	95.5	96.4	96.9	97.0	97.7	97.7	97.7	97.7
≥ 100	50.2	81.1	85.3	89.1	91.9	92.6	94.6	95.5	95.5	96.5	97.0	97.1	97.0	97.1	97.1	97.1
≥ 0	50.2	81.1	85.3	89.1	91.9	92.6	94.6	95.5	95.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

13,711

USAF ETAC

FORM
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 AFMAG, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 25244 DATE TITLE WASHINGTON, DC 1966

1966

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0100
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	17.2	23.3	24.4	25.0	26.5	26.5	26.7	27.0	26.8	26.6	26.8	26.0	26.9	26.2	27.0	27.0
≥ 18000	19.0	26.1	27.2	28.4	27.3	27.4	27.6	27.9	27.7	27.4	27.4	27.3	27.8	27.0	27.9	27.9
≥ 16000	19.0	26.4	27.5	28.5	27.7	27.9	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.2	28.3	28.3
≥ 14000	19.2	26.6	28.0	29.2	28.1	28.2	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.7	28.8	28.8
≥ 12000	20.2	26.2	29.3	30.5	28.5	28.5	28.7	28.9	28.9	28.9	28.9	28.9	28.9	29.0	29.1	29.1
≥ 10000	22.0	30.0	32.0	33.5	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2
≥ 9000	23.0	32.3	33.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 8000	24.7	34.3	35.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 7000	25.0	37.2	38.9	40.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 6000	28.5	40.2	41.6	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 5000	31.3	46.2	45.7	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500	32.7	47.3	48.7	50.7	51.9	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4000	34.2	50.0	52.3	54.3	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3500	36.2	54.2	56.2	58.1	59.4	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3000	39.0	59.3	61.1	63.4	64.8	64.9	65.1	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6
≥ 2500	42.0	65.3	67.3	69.9	71.3	71.4	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2000	45.0	71.3	73.4	76.1	77.8	78.0	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	46.7	74.0	76.1	78.9	80.7	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	49.1	76.8	81.2	84.3	85.9	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1200	50.2	78.6	84.5	87.6	89.6	89.8	90.4	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	51.4	84.0	87.4	90.7	92.8	93.1	93.6	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 900	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 300	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 200	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 100	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 0	51.2	84.0	88.3	91.8	93.9	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS 100

CEILING VERSUS VISIBILITY

43-3,4

YEARS

MONTH

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	11.1 13.4	20.1 22.0	21.1 23.0	22.0 23.7	23.4 25.3	23.9 25.7	24.1 26.0	24.3 26.2	24.4 26.3	24.6 26.5	24.6 26.5	24.9 26.8	24.9 26.8	24.9 26.8	24.7 26.6	24.7 26.6
IVN 18000 16000	13.5 15.5	22.0 23.0	23.1 23.7	24.1 24.7	25.4 26.1	25.5 26.1	26.1 26.5	26.3 26.5	26.5 27.1	26.6 27.2	26.6 27.2	26.8 27.2	26.8 27.2	26.8 27.2	26.6 27.4	26.6 27.4
IVN 14000 12000	15.5 17.2	23.5 24.1	24.4 25.3	25.4 26.3	26.6 27.7	26.7 27.7	27.5 28.3	27.7 28.5	27.8 28.7	27.9 28.8	27.9 28.8	28.2 29.0	28.2 29.0	28.2 29.0	28.1 29.0	28.1 29.0
IVN 10000 9000	19.5 20.2	25.0 26.0	26.4 27.5	27.4 28.5	28.9 30.5	30.9 31.9	31.5 32.0	31.7 32.7	31.8 33.0	31.9 33.1	31.9 33.1	31.9 33.1	31.9 33.1	32.0 33.1	32.0 33.1	32.0 33.1
IVN 8000 7000	22.5 23.1	30.7 33.0	32.5 33.2	33.5 36.2	34.9 37.6	35.0 37.6	35.7 38.4	35.7 38.4	36.7 38.8	36.1 39.0	36.1 39.0	36.1 39.0	36.1 39.0	36.2 39.0	36.3 39.1	36.4 39.2
IVN 6000 5000	24.1 26.3	34.1 35.1	37.2 40.7	38.8 41.1	40.3 43.2	40.4 43.3	41.1 44.1	41.2 44.1	41.4 44.4	41.5 44.5	41.5 44.5	41.5 44.5	41.5 44.5	41.6 44.6	41.7 44.7	41.8 44.8
IVN 4500 4000	27.2 30.2	36.0 45.1	43.7 48.0	43.5 49.2	46.9 50.9	47.3 50.9	47.9 51.8	48.0 52.0	48.1 52.1	48.2 52.2	48.2 52.2	48.2 52.2	48.2 52.2	48.3 52.3	48.4 52.4	48.5 52.5
IVN 3500 3000	32.4 35.1	49.1 55.5	51.6 58.3	52.6 57.6	54.5 59.3	54.6 59.4	55.4 60.3	55.7 60.5	55.8 60.7	55.9 60.8	55.9 60.8	55.9 60.8	55.9 60.8	56.0 60.9	56.1 61.0	56.2 61.1
IVN 2500 2000	36.4 42.5	59.0 66.0	62.1 69.3	63.5 71.0	65.5 73.2	65.5 73.2	66.4 74.2	66.7 74.4	66.8 74.6	66.9 74.7	66.9 74.7	66.9 74.7	66.9 74.7	67.0 74.7	67.1 74.7	67.2 74.7
IVN 1800 1500	44.5 47.1	68.7 75.0	72.2 78.4	73.9 80.3	76.1 82.6	76.2 82.7	77.7 83.8	77.5 84.0	77.6 84.2	77.7 84.3	77.7 84.3	77.7 84.3	77.8 84.3	77.8 84.3	77.9 84.3	78.0 84.3
IVN 1200 1000	49.1 49.9	77.1 79.5	81.5 83.7	83.6 86.0	86.0 88.6	86.2 88.8	87.3 90.0	87.6 90.2	87.7 90.3	87.8 90.3	87.8 90.3	87.8 90.3	87.8 90.3	87.8 90.3	87.8 90.3	87.8 90.3
IVN 900 800	50.3 50.4	80.1 80.9	84.7 85.7	87.1 88.3	89.7 91.0	89.9 91.2	91.1 92.5	91.4 92.5	91.5 92.6	91.7 93.2	91.7 93.2	91.7 93.2	91.7 93.2	91.7 93.2	91.7 93.2	91.7 93.2
IVN 700 600	50.4 50.4	81.1 81.1	86.0 86.2	88.7 89.0	91.4 91.7	91.6 91.9	92.9 93.2	93.2 93.5	93.3 93.6	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9
IVN 500 400	50.5 50.6	81.4 81.8	86.4 86.9	89.3 90.2	92.0 92.9	92.3 93.2	93.8 94.8	94.0 95.1	94.1 95.2	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5
IVN 300 200	50.6 50.6	82.1 82.1	87.1 87.2	90.4 90.5	93.3 93.4	93.6 93.6	95.0 95.0	95.7 95.7	95.9 96.0	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6	96.1 96.6
IVN 100 0	50.5 50.6	82.1 82.1	87.2 87.2	90.5 90.5	93.4 93.4	93.6 93.6	95.0 95.0	95.6 95.6	96.1 96.1	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHMUN, W. C. 20001

CEILING VERSUS VISIBILITY

20244
STATION

SEATTLE WASHINGTON F.O.C.
STATION NAME

09-60
YEARS

FLY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	17.5	15.2	10.7	10.4	17.0	17.0	17.1	17.1	17.1	17.2	17.3	17.3	17.5	17.5	17.5	17.5
≥ 20000	17.5	15.2	10.7	10.4	17.0	17.0	17.1	17.1	17.1	17.2	17.3	17.3	17.5	17.5	17.5	17.5
≥ 18000	15.7	10.0	19.1	20.5	20.8	20.8	20.9	20.9	20.9	21.1	21.2	21.2	21.5	21.5	21.5	21.7
≥ 16000	15.3	12.5	20.5	21.3	21.5	21.5	21.6	21.6	21.6	21.8	21.9	21.9	22.2	22.2	22.2	22.4
≥ 14000	15.1	14.9	20.9	21.7	21.9	21.9	22.0	22.0	22.0	22.2	22.3	22.3	22.5	22.5	22.5	22.5
≥ 12000	15.3	21.4	22.5	23.3	23.6	23.6	23.6	23.6	23.6	23.8	23.9	23.9	24.2	24.2	24.3	24.4
≥ 10000	21.1	24.1	25.3	26.1	26.3	26.3	26.4	26.4	26.4	26.6	26.7	26.7	27.0	27.0	27.0	27.2
9000	21.2	25.2	26.8	27.5	27.9	27.9	28.0	28.0	28.0	28.2	28.3	28.3	28.5	28.5	28.5	28.8
8000	23.0	27.0	29.1	29.9	30.2	30.2	30.4	30.4	30.4	30.6	30.7	30.7	31.0	31.0	31.1	31.3
7000	24.0	30.4	31.5	32.3	32.7	32.7	33.1	33.1	33.1	33.3	33.4	33.4	33.7	33.7	33.7	33.9
6000	26.2	32.3	33.7	34.0	34.9	34.9	35.1	35.1	35.1	35.3	35.4	35.4	35.7	35.7	35.7	35.9
5000	28.4	35.5	37.3	38.0	38.2	38.2	38.5	38.5	38.5	38.7	38.8	38.8	39.0	39.0	39.1	39.3
4500	29.9	38.5	40.1	41.2	41.5	41.5	41.8	41.8	41.8	42.1	42.1	42.1	42.3	42.3	42.4	42.5
4000	32.1	41.3	43.0	44.2	44.5	44.5	44.8	44.8	44.8	45.0	45.1	45.1	45.3	45.3	45.5	45.7
3500	35.7	45.5	47.2	48.4	48.7	48.7	49.1	49.1	49.1	49.3	49.3	49.3	49.5	49.5	49.7	50.1
3000	38.3	50.9	52.8	54.1	54.6	54.7	55.3	55.3	55.3	55.5	55.5	55.5	55.8	55.8	55.9	56.2
2500	41.0	56.2	58.3	59.8	60.3	60.4	61.0	61.0	61.0	61.3	61.4	61.4	61.7	61.7	61.7	62.0
2000	44.5	62.9	65.1	67.0	67.7	67.8	68.5	68.5	68.5	68.8	68.9	68.9	69.2	69.2	69.3	69.6
1800	48.9	68.6	68.9	70.3	71.8	71.9	72.7	72.7	72.7	73.1	73.2	73.2	73.5	73.5	73.5	73.8
1500	50.3	72.3	74.7	75.7	77.8	77.9	78.8	78.8	78.8	79.3	79.3	79.3	79.7	79.7	79.7	80.0
1200	52.1	76.2	79.0	81.3	82.4	82.6	83.5	83.5	83.6	84.1	84.2	84.2	84.5	84.5	84.5	84.8
1000	52.9	78.0	81.5	84.0	85.2	85.4	86.3	86.3	86.4	86.9	87.0	87.0	87.3	87.3	87.3	87.6
900	53.3	79.0	82.9	85.5	86.8	87.0	87.9	87.9	87.9	88.4	88.5	88.5	88.9	88.9	88.9	89.2
800	53.5	80.0	83.3	86.0	87.4	87.6	88.6	88.6	88.7	89.3	89.4	89.4	89.7	89.7	89.7	90.0
700	53.5	80.4	83.8	86.7	88.1	88.4	89.5	89.5	89.6	90.2	90.3	90.3	90.7	90.7	90.7	91.0
600	53.7	80.8	84.3	87.3	88.7	89.0	90.1	90.3	90.3	90.9	91.0	91.0	91.4	91.4	91.4	91.7
500	53.8	81.1	84.6	87.8	89.3	89.9	91.2	91.4	91.4	92.1	92.2	92.2	92.7	92.7	92.7	93.0
400	53.8	81.2	84.9	88.2	90.1	90.7	92.1	92.3	92.3	93.1	93.2	93.2	93.7	93.7	93.7	94.0
300	53.8	81.2	85.0	88.3	90.5	91.2	92.7	93.0	93.0	93.7	93.8	93.8	94.1	94.1	94.1	94.4
200	53.8	81.2	85.0	88.3	90.7	91.3	93.1	93.4	93.4	94.5	94.7	94.7	95.0	95.0	95.0	95.3
100	53.8	81.2	85.0	88.3	90.7	91.3	93.1	93.5	93.5	94.7	95.0	95.0	95.3	95.3	95.3	95.6
0	53.8	81.2	85.0	88.3	90.7	91.3	93.1	93.5	93.5	94.7	95.0	95.0	95.3	95.3	95.3	95.6

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24246
STATION

SEATTLE WASHINGTON T.O.C.

1960

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6 0000-1 1/16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 20000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 18000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 16000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 14000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 12000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 10000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 9000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 8000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 7000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 6000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 5000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 4500	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 4000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 3500	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 3000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 2500	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 2000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 1800	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 1500	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 1200	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 1000	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 900	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 800	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 700	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 600	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 500	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 400	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 300	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 200	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 100	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 0	15.0	15.0	10.5	10.8	17.1	17.1	17.3	17.5	17.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
MEMPHIS, TENN. 38001

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME SHAFER AIRFIELD YEARS 1950 MONTH 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(2000-1950)
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	17.2	19.2	19.6	19.9	20.5	20.8	20.9	21.0	21.2	21.0	21.1	21.0	21.2	21.2	21.2	21.2
≥ 18000	21.0	24.0	25.3	25.6	26.3	26.5	26.6	27.0	27.0	27.0	27.0	27.0	27.2	27.2	27.2	27.2
≥ 16000	22.0	25.1	25.6	25.8	26.7	26.8	27.2	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.5	27.5
≥ 14000	23.1	26.3	26.8	27.2	28.0	28.2	28.6	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 12000	24.3	26.1	26.7	27.1	28.0	28.1	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 10000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 9000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 8000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 7000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 6000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 5000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 4500	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 4000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 3500	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 3000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 2500	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 2000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 1800	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 1500	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 1200	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 1000	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 900	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 800	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 700	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 600	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 500	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 400	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 300	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 200	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 100	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9
≥ 0	25.4	26.0	26.7	27.2	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9	28.9	28.9

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
HOMERVILLE, MO. 64001

CEILING VERSUS VISIBILITY

STATION
49286

STATION NAME
ST. JAMES HOSPITAL, ETC

YEARS
1954

MONTH

1954

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1954 (1954)
HOURS (1954)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	20.7	22.2	22.0	22.4	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 20000	22.1	22.1	22.2	22.4	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 18000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 16000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 14000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 12000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 10000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 9000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 8000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 7000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 6000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 5000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 4500	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 4000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 3500	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 3000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 2500	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 2000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 1800	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 1500	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 1200	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 1000	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 900	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 800	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 700	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 600	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 500	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 400	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 300	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 200	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 100	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 0	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, WAFB
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

STATION 20244 TITLE WASHINGTON FREQ

YEARS 1970

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1970
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	23.5	21.0	28.4	24.7	21.9	25.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
NV 18000	21.2	22.1	22.3	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
NV 16000	27.4	22.2	23.0	23.4	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
NV 14000	27.4	22.1	23.7	24.0	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
NV 12000	27.4	24.4	25.1	25.5	25.7	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
NV 10000	27.4	25.8	27.7	28.2	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
NV 9000	27.4	26.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 8000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 7000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 6000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 5000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 4500	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 4000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 3500	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 3000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 2500	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 2000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 1800	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 1500	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 1200	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 1000	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 900	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 800	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 700	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 600	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 500	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 400	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 300	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 200	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 100	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
NV 0	27.4	26.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

1224
STATION

STATION NAME

YEARS

1000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2,110
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	22.0 24.2	20.0 22.1	18.7 20.7	17.4 19.4	16.0 18.0	14.6 16.6	13.1 15.1	11.6 13.6	10.1 12.1	8.7 10.7	7.2 9.2	5.8 7.8	4.3 6.3	2.9 4.9	1.4 3.4	0.0
NV 18000 16000	25.0 27.0	23.0 25.0	21.7 23.7	20.4 22.4	19.0 21.0	17.6 19.6	16.1 18.1	14.6 16.6	13.1 15.1	11.6 13.6	10.1 12.1	8.7 10.7	7.2 9.2	5.8 7.8	4.3 6.3	2.9 4.9
NV 14000 12000	29.1 31.1	27.0 29.0	25.7 27.7	24.4 26.4	23.0 25.0	21.6 23.6	20.1 22.1	18.6 20.6	17.1 19.1	15.6 17.6	14.1 16.1	12.7 14.7	11.2 13.2	9.8 11.8	8.3 10.3	6.9 8.9
NV 10000 9000	33.4 35.4	31.0 33.0	29.7 31.7	28.4 30.4	27.0 29.0	25.6 27.6	24.1 26.1	22.6 24.6	21.1 23.1	19.6 21.6	18.1 20.1	16.7 18.7	15.2 17.2	13.8 15.8	12.3 14.3	10.9 12.9
NV 8000 7000	38.7 40.7	36.0 38.0	34.7 36.7	33.4 35.4	32.0 34.0	30.6 32.6	29.1 31.1	27.6 29.6	26.1 28.1	24.6 26.6	23.1 25.1	21.7 23.7	20.2 22.2	18.8 20.8	17.3 19.3	15.9 17.9
NV 6000 5000	45.0 47.0	42.0 44.0	40.7 42.7	39.4 41.4	38.0 40.0	36.6 38.6	35.1 37.1	33.6 35.6	32.1 34.1	30.6 32.6	29.1 31.1	27.7 29.7	26.2 28.2	24.8 26.8	23.3 25.3	21.9 23.9
NV 4500 4000	51.7 53.7	48.0 50.0	46.7 48.7	45.4 47.4	44.0 46.0	42.6 44.6	41.1 43.1	39.6 41.6	38.1 40.1	36.6 38.6	35.1 37.1	33.7 35.7	32.2 34.2	30.8 32.8	29.3 31.3	27.9 29.9
NV 3500 3000	58.0 60.0	54.0 56.0	52.7 54.7	51.4 53.4	50.0 52.0	48.6 50.6	47.1 49.1	45.6 47.6	44.1 46.1	42.6 44.6	41.1 43.1	39.7 41.7	38.2 40.2	36.8 38.8	35.3 37.3	33.9 35.9
NV 2500 2000	65.0 67.0	61.0 63.0	59.7 61.7	58.4 60.4	57.0 59.0	55.6 57.6	54.1 56.1	52.6 54.6	51.1 53.1	49.6 51.6	48.1 50.1	46.7 48.7	45.2 47.2	43.8 45.8	42.3 44.3	40.9 42.9
NV 1800 1500	72.0 74.0	68.0 70.0	66.7 68.7	65.4 67.4	64.0 66.0	62.6 64.6	61.1 63.1	59.6 61.6	58.1 60.1	56.6 58.6	55.1 57.1	53.7 55.7	52.2 54.2	50.8 52.8	49.3 51.3	47.9 49.9
NV 1200 1000	79.0 81.0	75.0 77.0	73.7 75.7	72.4 74.4	71.0 73.0	69.6 71.6	68.1 70.1	66.6 68.6	65.1 67.1	63.6 65.6	62.1 64.1	60.7 62.7	59.2 61.2	57.8 59.8	56.3 58.3	54.9 56.9
NV 900 800	86.0 88.0	82.0 84.0	80.7 82.7	79.4 81.4	78.0 80.0	76.6 78.6	75.1 77.1	73.6 75.6	72.1 74.1	70.6 72.6	69.1 71.1	67.7 69.7	66.2 68.2	64.8 66.8	63.3 65.3	61.9 63.9
NV 700 600	93.0 95.0	89.0 91.0	87.7 89.7	86.4 88.4	85.0 87.0	83.6 85.6	82.1 84.1	80.6 82.6	79.1 81.1	77.6 79.6	76.1 78.1	74.7 76.7	73.2 75.2	71.8 73.8	70.3 72.3	68.9 70.9
NV 500 400	100.0 102.0	96.0 98.0	94.7 96.7	93.4 95.4	92.0 94.0	90.6 92.6	89.1 91.1	87.6 89.6	86.1 88.1	84.6 86.6	83.1 85.1	81.7 83.7	80.2 82.2	78.8 80.8	77.3 79.3	75.9 77.9
NV 300 200	107.0 109.0	103.0 105.0	101.7 103.7	100.4 102.4	99.0 101.0	97.6 99.6	96.1 98.1	94.6 96.6	93.1 95.1	91.6 93.6	90.1 92.1	88.7 90.7	87.2 89.2	85.8 87.8	84.3 86.3	82.9 84.9
NV 100 0	114.0 116.0	110.0 112.0	108.7 110.7	107.4 109.4	106.0 108.0	104.6 106.6	103.1 105.1	101.6 103.6	100.1 102.1	98.6 100.6	97.1 99.1	95.7 97.7	94.2 96.2	92.8 94.8	91.3 93.3	89.9 91.9

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

FORM
JUL 64

0-14.5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
LITAL, USAF
ASHBURY, N. C. 28601

CEILING VERSUS VISIBILITY

24244 SCOTT'S SUBSISTENCE BASE

1964

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	21.5	21.0	22.2	22.0	23.3	23.3	23.5	23.7	24.7	23.1	23.0	23.0	23.9	23.1	23.7	24.0
IV 18000	21.7	20.2	20.6	20.1	27.2	21.3	27.5	21.0	27.7	27.0	27.0	27.0	27.9	27.0	27.0	27.0
IV 16000	21.1	23.0	25.7	21.2	21.0	20.0	28.2	21.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.6
IV 14000	21.2	20.4	27.3	27.3	21.5	21.0	26.5	21.4	29.0	29.1	29.1	29.1	29.3	29.3	29.3	29.4
IV 12000	22.1	23.0	21.9	22.2	31.3	30.2	30.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	31.0	31.0
IV 10000	25.0	31.1	31.5	32.0	33.3	33.4	33.7	33.7	33.7	33.7	34.0	34.0	34.0	34.1	34.2	34.2
IV 9000	25.5	34.1	33.1	34.1	34.1	34.2	35.2	35.3	35.3	35.3	35.4	35.5	35.5	35.5	35.7	35.7
IV 8000	25.5	35.0	30.2	37.0	37.7	37.7	36.7	31.3	30.3	30.3	30.3	30.5	31.0	31.0	30.7	30.7
IV 7000	25.5	36.1	39.4	30.3	31.5	41.1	41.3	41.0	41.5	41.0	41.0	41.0	41.0	42.0	42.0	42.1
IV 6000	31.5	40.3	41.6	42.5	33.3	43.4	43.7	43.7	43.9	44.1	44.1	44.1	44.1	44.3	44.3	44.4
IV 5000	31.5	40.1	45.5	40.4	37.2	47.3	47.7	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.3
IV 4500	36.4	47.1	48.7	47.1	31.5	50.0	51.0	51.3	51.2	51.3	51.7	51.7	51.7	51.7	51.7	51.7
IV 4000	38.0	50.0	52.3	53.4	54.3	56.4	54.7	54.0	56.9	55.1	55.2	55.2	55.2	55.2	55.2	55.4
IV 3500	43.0	54.0	56.5	57.7	55.6	50.7	50.2	51.3	59.3	59.5	59.0	59.0	59.0	59.0	59.0	59.0
IV 3000	44.7	59.1	51.8	53.2	44.2	44.1	44.5	45.0	55.1	55.2	55.0	55.0	55.0	55.0	55.0	55.0
IV 2500	47.5	55.2	67.6	57.2	60.3	70.5	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 2000	51.4	71.9	66.5	76.4	77.7	77.7	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	53.1	74.4	77.4	79.3	66.7	80.9	81.5	81.7	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IV 1500	55.4	74.0	82.0	84.2	85.8	80.0	86.6	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1200	55.5	81.0	85.1	87.4	89.2	89.4	90.2	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1000	57.0	83.1	86.8	89.4	91.3	91.0	92.4	92.7	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 900	57.1	83.0	87.5	90.1	92.1	92.3	93.2	93.5	93.5	93.5	93.9	94.7	94.0	94.2	94.2	94.2
IV 800	57.2	83.9	87.9	90.5	92.6	93.0	93.9	94.3	94.3	94.3	94.7	94.0	94.0	94.0	94.0	94.0
IV 700	57.2	84.0	88.1	90.9	93.0	93.3	94.4	94.7	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	57.3	84.1	88.3	91.1	93.2	93.5	94.7	95.1	95.1	95.0	95.7	95.7	95.7	95.7	95.7	95.7
IV 500	57.3	84.3	88.4	91.4	93.5	93.9	95.2	95.7	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 400	57.3	84.3	88.6	91.0	93.8	94.2	95.6	96.2	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	57.3	84.4	88.6	91.7	94.0	94.4	95.9	96.5	96.6	97.2	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	57.3	84.4	88.6	91.7	94.0	94.4	96.0	96.1	96.7	97.4	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	57.3	84.4	88.6	91.7	94.0	94.4	96.0	96.1	96.7	97.5	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	57.3	84.4	88.6	91.7	94.0	94.4	96.1	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
KNOXVILLE, TENN.

CEILING VERSUS VISIBILITY

4244
STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	20.1	20.4	27.1	20.1	20.5	20.5	20.7	27.1	20.0	29.1	27.1	27.1	29.5	29.5	27.7	27.5
≥ 20000	22.9	20.2	29.6	20.7	31.0	31.1	31.4	31.1	31.5	31.7	31.7	31.7	32.1	32.1	32.1	32.1
18000	23.2	27.0	30.3	31.3	31.7	31.0	32.1	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3
16000	23.4	29.7	30.5	31.0	31.9	32.0	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.9
14000	23.0	30.2	31.0	32.1	32.5	32.5	32.7	33.0	33.0	33.1	33.1	33.1	33.5	33.5	33.5	33.5
12000	22.1	31.3	32.5	33.2	34.0	34.0	34.3	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	35.0
10000	27.0	34.0	35.4	36.0	37.0	37.1	37.4	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7
9000	28.1	35.9	36.7	37.9	38.3	38.4	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	39.3
8000	32.2	40.2	41.0	42.3	42.7	42.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
7000	35.7	44.3	45.2	46.5	46.8	46.9	47.2	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.9
6000	37.4	47.1	48.4	49.9	50.3	50.3	50.6	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	51.3
5000	39.5	50.0	51.7	53.0	53.4	53.5	53.7	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.4
4500	41.4	54.0	55.0	56.3	56.7	56.7	57.0	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.8
4000	42.3	57.0	58.2	59.0	59.0	60.1	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	61.2
3500	44.2	60.3	61.2	63.3	63.8	63.9	64.1	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.9
3000	47.3	65.7	67.2	68.9	69.4	69.4	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.3
2500	50.0	71.4	73.0	74.7	75.2	75.2	75.5	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	76.3
2000	55.0	79.0	81.3	83.2	83.7	83.8	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.8
1800	59.0	85.2	86.0	86.7	87.5	87.6	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.5
1500	60.5	87.3	89.3	91.2	91.8	91.9	92.7	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	93.0
1200	61.3	89.5	91.5	93.5	94.2	94.3	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	95.3
1000	61.5	90.0	92.7	94.8	95.5	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.7
900	61.7	90.0	92.9	95.0	95.8	95.9	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	97.1
800	61.8	91.2	93.3	95.4	96.3	96.3	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.5
700	61.8	91.2	93.4	95.0	96.4	96.4	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.5
600	61.9	91.5	93.7	95.9	96.7	96.8	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	98.2
500	62.0	91.7	93.9	96.3	97.1	97.1	97.6	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.7
400	62.0	91.0	94.1	96.5	97.3	97.4	97.9	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.9
300	62.0	91.0	94.1	96.5	97.5	97.5	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	99.1
200	62.0	91.4	94.2	96.6	97.5	97.6	98.2	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.3
100	62.0	91.7	94.2	96.6	97.5	97.6	98.2	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.3
0	62.0	91.9	94.2	96.6	97.5	97.6	98.2	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.3

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 56244 STATION NAME SEATTLE SOUND, W. C. 28801

1964

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0 000-000 0
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.3	21.7	22.4	23.0	24.1	24.3	25.0	25.1	25.1	25.2	25.4	25.4	25.4	25.4	25.4	25.4
≥ 20000	17.3	21.7	22.4	23.0	24.1	24.3	25.0	25.1	25.1	25.2	25.4	25.4	25.4	25.4	25.4	25.4
≥ 18000	20.0	24.3	25.0	25.0	27.3	27.5	28.1	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	20.0	24.3	25.0	25.0	27.3	27.5	28.1	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	21.0	26.1	25.9	28.1	28.5	28.4	29.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 12000	21.0	26.1	25.9	28.1	28.5	28.4	29.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 10000	24.2	30.4	31.1	32.3	33.0	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 9000	24.2	30.4	31.1	32.3	33.0	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 8000	24.2	30.4	31.1	32.3	33.0	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 7000	24.2	30.4	31.1	32.3	33.0	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 6000	24.2	30.4	31.1	32.3	33.0	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 5000	24.2	30.4	31.1	32.3	33.0	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 4500	26.0	31.1	31.0	32.0	33.0	33.0	33.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 4000	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 3500	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 3000	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 2500	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 2000	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1800	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1500	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1200	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1000	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 900	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 800	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 700	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 600	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 500	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 400	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 300	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 200	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 100	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 0	27.3	32.3	32.3	33.0	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0

TOTAL NUMBER OF OBSERVATIONS 17

3
0

DATA PROCESSING DIVISION
ETAC, USAF
AMSCVILLE, C. 20001

CEILING VERSUS VISIBILITY

STATION NAME: SEATTLE TACAN STATION: 100 YEARS: 1967 MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11-10-67
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.0	17.4	17.7	10.1	14.5	14.2	19.0	14.0	19.0	19.1	19.1	17.1	19.2	17.2	17.1	19.3
≥ 20000	17.7	20.7	21.1	21.7	22.2	22.2	22.6	22.1	22.4	22.9	22.1	22.7	23.0	23.0	23.1	23.3
18000	15.4	21.3	21.6	22.1	22.6	22.6	23.1	23.2	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.7
16000	15.5	21.4	21.7	22.2	22.7	22.7	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.5	23.8
14000	19.7	22.6	23.0	23.3	24.0	24.0	24.3	24.7	24.6	24.8	24.8	24.8	24.8	24.8	24.9	25.1
12000	21.4	24.7	25.0	25.3	26.0	26.1	26.7	26.7	26.9	27.1	27.1	27.1	27.1	27.1	27.2	27.4
10000	23.3	27.0	27.3	27.5	28.3	28.4	29.1	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4
9000	24.3	28.1	28.3	29.1	29.7	29.8	30.5	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
8000	27.0	32.4	32.8	33.0	34.2	34.3	35.7	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4
7000	29.7	35.3	36.1	36.2	37.5	37.7	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7
6000	30.0	37.3	38.1	38.9	39.3	39.7	40.4	40.5	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8
5000	36.0	41.0	42.3	43.3	43.9	44.1	44.9	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2
4500	36.1	44.7	45.3	46.7	47.4	47.5	48.3	48.4	48.4	48.6	48.7	48.7	48.7	48.7	48.8	49.0
4000	37.2	47.7	48.6	49.9	50.3	50.7	51.4	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8
3500	41.2	52.1	53.4	54.7	55.4	55.5	56.3	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
3000	43.0	56.0	57.4	59.0	59.6	59.6	60.6	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0
2500	46.4	60.7	62.5	64.2	65.1	65.3	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2000	50.3	67.6	69.8	71.9	72.9	73.1	74.0	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
1800	53.3	71.6	74.0	76.2	77.4	77.5	78.5	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
1500	57.0	77.2	79.8	82.3	83.5	83.7	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1200	58.3	80.0	83.7	86.3	87.7	88.0	89.1	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
1000	59.2	82.5	85.7	88.5	90.0	90.3	91.4	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
900	59.5	83.1	86.3	89.2	90.8	91.1	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
800	59.5	83.3	86.8	89.7	91.4	91.7	93.1	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
700	59.0	83.7	87.0	90.0	91.9	92.2	93.5	93.6	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2
600	59.7	83.9	87.2	90.3	92.3	92.6	94.1	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
500	59.7	84.0	87.3	90.5	92.7	93.0	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
400	59.7	84.1	87.4	90.6	92.9	93.1	94.9	95.3	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9
300	59.7	84.1	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
200	59.7	84.1	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
100	59.7	84.1	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	59.7	84.1	87.4	90.6	92.9	93.2	95.1	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE TACFELD-1100 RPL
STATION NAME

1971
YEARS

1971
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	17.2	20.2	20.5	21.0	21.1	21.1	21.1	21.2	21.7	21.3	21.4	21.4	21.5	21.4	21.5	21.0
≥ 18000	22.2	20.4	20.9	21.1	21.2	21.2	21.2	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 16000	22.4	20.3	20.6	21.2	21.4	21.4	21.4	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 14000	23.0	21.0	20.0	20.6	21.7	21.7	21.7	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
≥ 12000	22.7	20.7	20.0	20.4	20.9	20.9	20.9	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 10000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 9000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 8000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 7000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 6000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 5000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 4500	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 4000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 3500	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 3000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 2500	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 2000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 1800	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 1500	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 1200	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 1000	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 900	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 800	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 700	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 600	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 500	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 400	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 300	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 200	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 100	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 0	22.7	20.4	20.8	21.5	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28004

CEILING VERSUS VISIBILITY

STATION
1246

STATION NAME
SEATTLE TOWER (1010, 1010)

DATE
12-1-61

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.5	20.9	21.4	21.0	21.7	21.7	21.7	21.6	21.6	21.9	21.1	21.1	21.9	21.9	21.9	21.9
≥ 20000	27.1	30.1	30.5	31.0	31.0	31.1	31.2	31.2	31.2	31.4	31.3	31.3	31.5	31.5	31.7	31.5
≥ 18000	27.5	30.0	31.3	31.7	31.7	31.9	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 16000	27.0	29.6	31.7	32.0	32.1	32.1	32.2	32.3	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.5
≥ 14000	29.3	32.4	32.9	33.3	33.4	33.4	33.5	33.5	33.5	33.7	33.1	33.0	33.4	33.4	33.5	33.5
≥ 12000	30.4	34.0	34.7	35.0	35.1	35.1	35.2	35.3	35.3	35.4	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000	33.0	37.2	37.3	38.2	38.3	38.4	38.5	38.5	38.5	38.7	38.4	38.4	38.5	38.5	38.5	38.5
≥ 9000	34.5	38.7	39.3	40.0	40.1	40.2	40.3	40.4	40.4	40.6	40.1	40.1	40.7	40.7	40.7	40.7
≥ 8000	37.6	42.1	43.6	44.0	44.1	44.2	44.4	44.5	44.5	44.6	44.7	44.8	44.8	44.8	44.8	44.8
≥ 7000	39.1	46.0	47.7	47.3	47.4	47.5	47.6	47.6	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1
≥ 6000	41.4	48.0	48.8	49.3	49.6	49.7	49.8	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2
≥ 5000	42.5	50.3	51.4	52.1	52.2	52.4	52.5	52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	43.5	52.4	53.0	53.7	53.8	53.9	54.0	54.2	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4000	44.4	53.9	54.2	54.9	55.0	55.1	55.2	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 3000	45.1	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 2500	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 2000	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 1800	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 1500	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 1200	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 1000	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 900	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 800	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 700	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 600	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 500	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 400	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 300	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 200	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 100	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 0	45.3	54.6	54.9	55.6	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, 1958
SHEVILL, C. C. 25011

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE
STATION NAME

1958
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.0
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 20000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
18000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
16000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
14000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
12000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
10000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
9000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
8000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
7000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
6000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
5000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
4500	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
4000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
3500	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
3000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
2500	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
2000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1800	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1600	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1400	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1200	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1000	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
900	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
800	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
700	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
600	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
500	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
400	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
300	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
200	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
100	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
0	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASBREVILLE, O. 44201

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SEATTLE WASHINGTON

YEARS
1967

MONTH

1967

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	24.3	26.2	26.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 18000	29.8	33.1	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 16000	30.0	33.3	33.6	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 14000	31.0	34.0	34.4	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 12000	31.3	37.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 10000	30.8	41.6	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 9000	30.3	35.0	43.3	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 8000	42.2	41.0	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 7000	43.8	31.9	31.9	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 6000	47.4	33.3	34.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IV 5000	30.2	31.2	37.8	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 4500	32.3	60.3	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4000	36.1	35.4	66.4	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3500	60.3	71.0	72.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 3000	35.1	71.3	78.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	35.4	42.7	64.3	65.7	80.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800	43.8	44.2	91.5	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500	47.5	41.3	93.4	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	67.5	42.1	94.3	95.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	37.9	42.1	95.0	97.3	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	69.9	72.1	95.0	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	49.9	42.0	75.1	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	69.9	42.9	75.2	97.4	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	49.9	43.0	95.3	97.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	67.2	43.4	95.3	97.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	49.9	43.2	95.3	97.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	69.9	43.2	95.3	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	49.9	43.2	95.3	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	49.9	43.2	95.3	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	49.9	43.2	95.3	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
FACD 1544
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24249 STATION WASHINGTON, D. C.

1961

YEARS

1962

MONTH

01 0-23 10
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 20000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 18000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 16000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 14000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 12000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 10000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 9000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 8000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 7000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 6000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 5000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 4500	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 4000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 3500	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 3000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 2500	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 2000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 1800	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 1500	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 1200	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 1000	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 900	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 800	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 700	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 600	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 500	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 400	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 300	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 200	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 100	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3
≥ 0	27.4	11.3	11.0	11.7	32.0	32.0	32.1	32.1	32.1	32.2	32.4	32.3	32.3	32.3	32.3	32.3

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
SHEVILL, D. C. 20001

CEILING VERSUS VISIBILITY

STATION 200114 STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 20000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 18000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 16000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 14000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 12000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 10000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 9000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 8000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 7000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 6000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 5000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 4500	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 4000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 3500	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 3000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 2500	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 2000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 1800	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 1500	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 1200	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 1000	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 900	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 800	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 700	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 600	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 500	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 400	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 300	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 200	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 100	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 0	20.1	29.3	23.8	24.3	24.5	24.3	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244
STATION

STAT 10 ASHEVILLE, NC
STATION NAME

1970
YEARS

YEARS

1970
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 20000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 18000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 16000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 14000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 12000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 10000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 9000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 8000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 7000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 6000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 5000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 4500	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 4000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 3500	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 3000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 2500	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 2000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 1800	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 1500	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 1200	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 1000	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 900	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 800	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 700	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 600	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 500	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 400	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 300	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 200	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 100	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2
NV 0	30.7	30.7	37.2	31.7	34.0	30.1	38.2	30.2	30.2	38.2	30.2	30.2	30.2	30.2	30.2	30.2

TOTAL NUMBER OF OBSERVATIONS

10

DATA PROCESSING DIVISION
ETAC UNIT
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

STATION 14244 SLATTLER WASHINGTON, D.C.

DATE 10-10-60

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-0000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.3	27.0	28.6	29.2	29.6	29.0	30.1	30.1	30.1	30.3	30.1	30.3	30.4	30.4	30.4	30.5
≥ 20000	26.3	32.3	33.2	33.9	34.3	34.5	34.8	34.7	34.8	35.0	35.1	35.0	35.1	35.1	35.1	35.2
≥ 18000	26.4	32.5	33.3	34.2	34.7	34.8	35.1	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.5	35.6
≥ 16000	26.5	32.6	33.4	34.3	34.8	34.9	35.2	35.2	35.2	35.4	35.4	35.4	35.5	35.5	35.5	35.7
≥ 14000	26.0	33.7	34.5	35.5	36.0	36.1	36.4	36.5	36.5	36.7	36.7	36.7	36.7	36.7	36.8	36.9
≥ 12000	26.4	32.4	36.2	37.2	37.7	37.8	38.1	38.2	38.2	38.3	38.3	38.3	38.4	38.4	38.5	38.6
≥ 10000	26.5	37.9	38.8	39.9	40.5	40.6	40.9	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.3	41.4
≥ 9000	26.2	37.3	40.2	41.4	42.0	42.1	42.4	42.4	42.4	42.6	42.6	42.6	42.7	42.7	42.7	42.9
≥ 8000	32.4	43.4	44.3	45.5	46.1	46.2	46.5	46.5	46.5	46.7	46.7	46.7	46.8	46.8	46.8	47.0
≥ 7000	35.3	47.0	48.0	49.2	49.8	49.9	50.2	50.2	50.2	50.4	50.4	50.4	50.5	50.5	50.5	50.7
≥ 6000	35.3	46.1	49.1	50.3	50.7	51.0	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8
≥ 5000	37.9	50.3	51.4	52.8	53.2	53.3	53.6	53.7	53.7	53.7	53.7	53.7	53.9	53.9	54.0	54.1
≥ 4500	40.0	53.2	54.3	55.5	56.1	56.2	56.5	56.5	56.5	56.7	56.7	56.7	56.8	56.8	56.9	57.0
≥ 4000	41.8	56.2	57.4	58.6	59.2	59.3	59.6	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.0	60.1
≥ 3500	43.5	59.5	60.7	62.1	62.7	62.7	63.2	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.6
≥ 3000	45.7	64.0	65.5	66.8	67.4	67.6	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.3	68.4
≥ 2500	50.0	69.5	71.3	72.7	73.4	73.5	73.9	73.9	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.3
≥ 2000	54.4	70.4	78.3	79.8	80.4	80.5	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.3	81.4
≥ 1800	57.1	80.2	82.2	83.7	84.4	84.5	84.9	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.3	85.4
≥ 1500	60.5	85.0	87.2	88.8	89.5	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.4	90.5
≥ 1200	62.3	87.9	90.4	92.1	92.9	93.0	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.8	93.9
≥ 1000	62.7	89.6	92.2	94.0	94.8	94.9	95.4	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.8
≥ 900	62.9	89.7	92.6	94.3	95.4	95.5	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.4
≥ 800	62.9	90.2	93.0	95.0	95.8	96.0	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.8
≥ 700	63.0	90.7	93.6	95.3	96.5	96.7	97.1	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.5
≥ 600	63.1	91.1	94.0	96.0	97.0	97.1	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.1
≥ 500	63.1	91.2	94.3	96.4	97.6	97.7	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.7
≥ 400	63.1	91.3	94.5	96.5	97.7	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.9
≥ 300	63.2	91.4	94.5	96.6	97.9	98.0	98.5	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 200	63.2	91.4	94.6	96.7	98.0	98.2	98.6	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.2	99.3
≥ 100	63.4	91.4	94.6	96.7	98.0	98.2	98.7	98.8	98.8	99.0	99.0	99.0	99.3	99.3	99.4	99.5
≥ 0	63.2	91.4	94.6	96.7	98.0	98.2	98.7	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON FRC

49-60

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼
NO CEILING ≥ 20000	17.0	20.0	21.0	22.0	22.5	22.7	22.7	22.7	22.7	23.0	23.0	23.0	23.2	23.3	23.3
IV 18000	20.4	25.6	26.8	28.1	28.7	28.9	28.9	28.9	28.9	29.2	29.2	29.2	29.4	29.5	29.5
IV 16000	20.7	26.2	27.5	28.8	29.4	29.6	29.6	29.6	29.6	29.9	29.9	29.9	30.1	30.2	30.2
IV 14000	21.2	26.7	28.0	29.3	29.9	30.1	30.1	30.1	30.1	30.4	30.4	30.4	30.6	30.7	30.7
IV 12000	22.7	28.3	29.6	31.0	31.5	31.7	31.7	31.7	31.7	32.0	32.0	32.0	32.3	32.4	32.4
IV 10000	24.7	31.1	32.6	33.9	34.5	34.6	34.6	34.7	34.7	34.9	34.9	34.9	35.2	35.3	35.3
IV 9000	24.9	32.3	33.8	35.1	35.8	36.0	36.0	36.0	36.0	36.3	36.3	36.3	36.5	36.5	36.5
IV 8000	29.2	36.9	38.6	39.9	40.7	40.9	40.9	41.0	41.0	41.2	41.2	41.2	41.4	41.5	41.5
IV 7000	31.4	39.9	41.7	43.1	43.9	44.0	44.0	44.1	44.1	44.3	44.4	44.4	44.7	44.8	44.8
IV 6000	33.1	42.1	43.9	45.4	46.2	46.4	46.4	46.4	46.4	46.7	46.7	46.7	47.0	47.1	47.1
IV 5000	35.8	43.4	47.3	48.8	49.6	49.8	49.8	49.8	49.8	50.1	50.1	50.1	50.4	50.5	50.5
IV 4500	37.7	48.0	49.8	51.4	52.1	52.3	52.3	52.4	52.4	52.6	52.7	52.7	53.0	53.0	53.1
IV 4000	39.2	50.2	52.5	54.1	54.9	55.1	55.1	55.1	55.1	55.4	55.4	55.4	55.7	55.8	55.8
IV 3500	41.4	52.7	55.0	56.6	57.4	57.6	57.6	57.6	57.6	57.9	57.9	57.9	58.2	58.3	58.3
IV 3000	44.2	57.9	60.3	62.0	62.9	63.1	63.2	63.3	63.3	63.5	63.5	63.5	63.9	64.0	64.0
IV 2500	48.8	63.2	66.1	67.9	69.0	69.2	69.3	69.5	69.5	69.7	69.8	69.8	70.1	70.1	70.2
IV 2000	54.2	71.3	74.3	76.1	77.4	77.6	77.7	77.9	77.9	78.1	78.2	78.2	78.5	78.5	78.6
IV 1800	56.7	74.8	77.9	80.0	81.3	81.5	81.6	81.7	81.7	82.0	82.0	82.0	82.3	82.4	82.4
IV 1500	60.2	80.2	83.5	85.7	86.9	87.1	87.3	87.4	87.4	87.7	87.7	87.7	88.1	88.2	88.2
IV 1200	62.1	83.1	86.5	89.0	90.2	90.5	90.6	90.7	90.7	91.0	91.1	91.1	91.4	91.5	91.5
IV 1000	62.9	84.7	88.5	91.2	92.6	92.8	92.9	93.0	93.0	93.4	93.5	93.5	93.8	93.9	93.9
IV 900	63.0	85.2	88.9	91.7	93.1	93.3	93.6	93.7	93.7	94.0	94.1	94.1	94.5	94.5	94.5
IV 800	63.1	85.7	89.6	92.6	94.0	94.3	94.6	94.8	94.8	95.1	95.2	95.2	95.5	95.6	95.7
IV 700	63.1	86.0	90.0	93.0	94.6	94.9	95.4	95.5	95.5	95.8	95.9	95.9	96.3	96.3	96.4
IV 600	63.1	86.1	90.2	93.3	95.0	95.4	95.8	96.0	96.0	96.3	96.4	96.4	96.7	96.8	96.8
IV 500	63.1	86.1	90.4	93.5	95.4	95.8	96.3	96.5	96.5	96.9	97.0	97.0	97.3	97.4	97.4
IV 400	63.1	86.1	90.4	93.6	95.5	96.0	96.8	97.1	97.1	97.4	97.5	97.5	97.9	97.9	97.9
IV 300	63.1	86.1	90.4	93.6	95.6	96.1	96.8	97.2	97.2	97.6	97.7	97.7	98.0	98.0	98.1
IV 200	63.1	86.2	90.5	93.7	95.8	96.3	97.1	97.5	97.5	97.9	98.0	98.0	98.3	98.4	98.4
IV 100	63.1	86.2	90.5	93.7	95.8	96.3	97.1	97.5	97.5	98.0	98.1	98.1	98.4	98.5	98.5
IV 0	63.1	86.2	90.5	93.7	95.8	96.3	97.1	97.5	97.5	98.0	98.1	98.1	98.4	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

1

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON F.O.
STATION NAME

49-00
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.5	20.1	20.0	20.1	20.5	20.2	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 20000	27.4	32.1	33.0	33.4	33.6	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 18000	27.5	32.4	33.4	33.7	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 16000	27.9	32.7	33.6	34.1	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 14000	28.2	33.3	34.2	34.7	35.0	35.0	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 12000	29.3	33.3	36.4	37.0	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	31.8	37.7	38.9	39.5	39.8	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000	32.9	39.2	40.5	41.1	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 8000	35.4	42.5	43.9	44.5	44.8	44.8	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 7000	38.0	44.0	45.5	46.2	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 6000	37.4	45.5	47.0	47.7	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 5000	37.7	48.7	50.2	50.8	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4500	41.7	51.1	52.6	53.3	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000	44.8	54.0	56.4	57.0	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	47.4	58.5	60.4	61.1	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 3000	52.0	65.4	67.0	68.3	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 2500	59.1	74.5	76.5	77.4	78.0	78.0	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	64.2	82.6	85.1	86.2	86.8	86.8	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	66.5	85.0	87.9	89.1	89.7	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	68.5	88.5	91.6	93.0	93.6	93.6	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	69.7	91.2	94.0	95.7	96.4	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	69.9	91.8	94.9	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	69.9	91.8	95.0	96.8	97.8	98.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	69.9	92.1	95.4	97.3	98.3	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	69.9	92.1	95.4	97.4	98.4	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	69.9	92.1	95.4	97.5	98.5	98.9	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	69.9	92.1	95.5	97.6	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

26244 STATION SEATTLE WASHINGTON 1-26

40-5.

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12.0-14.0
POURS (1.5 T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.1	24.2	29.6	29.7	24.7	29.1	29.8	29.6	29.4	29.6	29.4	29.4	29.4	29.4	29.4	29.8
≥ 20000	34.6	38.2	39.2	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.9
≥ 18000	35.1	39.3	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 16000	35.3	39.5	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 14000	36.4	40.5	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000	36.3	40.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 10000	41.0	46.0	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	42.5	47.4	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	45.1	50.7	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 7000	46.0	54.0	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	49.2	56.0	56.8	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	52.1	59.0	60.4	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4500	55.1	63.0	64.2	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4000	59.1	66.4	69.5	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	63.9	73.4	74.8	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	68.1	78.9	80.4	81.1	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	72.8	85.3	87.0	87.9	87.9	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	75.8	90.2	92.4	93.5	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	76.0	91.0	93.6	95.0	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	77.1	93.0	96.0	97.5	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	77.9	94.2	96.5	98.2	98.0	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	77.9	94.5	97.0	98.7	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	77.9	94.5	97.0	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	77.9	94.6	97.1	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	77.9	94.6	97.1	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.9	94.6	97.1	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
KSCVILLE, N. C. 27501

CEILING VERSUS VISIBILITY

STATION 2446 DETAIL DESCRIPTION 19-03 YEARS MONTH 1030-17-0 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	28.4	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 18000	41.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 16000	41.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 10000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 9000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 8000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 7000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 6000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4500	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 2500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 2000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 1800	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 1500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 1200	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 1000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 900	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 800	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 700	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 600	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 400	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 300	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 200	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 100	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0

TOTAL NUMBER OF OBSERVATIONS 10

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SEATTLE TASHI 451 Jm 1 00

YEARS
49-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.00-2500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	30.2	32.4	32.7	32.7	32.9	42.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
IV 18000	30.5	41.0	41.9	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 16000	38.9	41.1	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 14000	40.7	43.1	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 12000	42.5	45.0	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 10000	45.1	49.2	49.3	49.3	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	46.1	50.2	50.3	50.3	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 8000	50.2	54.3	54.0	54.0	54.7	54.3	54.8	54.3	54.7	54.8	54.7	54.8	54.7	54.8	54.8	54.8
IV 7000	53.3	58.3	58.3	58.8	58.9	58.3	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 6000	59.9	60.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 5000	63.8	63.7	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4500	61.3	69.0	70.1	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 4000	69.3	74.2	74.4	74.7	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	67.4	78.7	79.4	79.0	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3000	71.1	83.2	84.9	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	73.2	88.4	89.3	89.6	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2000	75.0	92.9	94.3	94.3	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1800	76.1	93.9	95.3	95.7	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	76.7	95.4	96.8	97.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	77.0	96.1	97.0	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	77.0	96.2	97.9	98.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	77.0	96.3	97.9	98.7	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	77.0	96.3	97.9	98.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	77.0	96.3	97.9	98.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	77.0	96.3	97.9	98.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	77.0	96.3	98.0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE
STATION NAME

1960
YEARS

MONTH

21 (1) - 21 (3)
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	33.4	37.3	37.7	37.9	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 16000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 14000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 12000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 10000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 9000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 8000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 7000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 6000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 5000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 4500	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 4000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 3500	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 3000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 2500	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 2000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1800	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1500	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1200	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 900	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 800	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 700	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 600	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 500	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 400	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 300	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 200	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 100	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 STATION
SENILE WASHINGTON FSC STATION NAME

1960

YEARS

1960
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.7	29.0	30.4	30.7	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2
≥ 20000	22.4	37.1	37.7	38.1	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.6	38.6	38.6
IV 18000	32.5	37.3	37.9	38.3	38.5	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.9	38.9	38.9
IV 16000	32.7	37.5	38.1	38.5	38.7	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IV 14000	33.4	38.4	39.0	39.5	39.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0
IV 12000	35.2	40.5	41.2	41.6	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.2	42.2
IV 10000	37.7	43.4	44.1	44.5	44.9	44.9	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.2
IV 9000	38.3	44.0	45.5	46.1	46.3	46.4	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 8000	42.1	48.0	49.5	50.0	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.6
IV 7000	44.8	52.6	53.0	53.6	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2
IV 6000	46.2	53.9	54.7	55.4	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0
IV 5000	49.0	57.5	58.4	59.1	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
IV 4500	51.3	60.5	61.5	62.2	62.5	62.5	62.7	62.7	62.7	62.6	62.6	62.6	62.6	62.6	62.6	62.7
IV 4000	53.0	64.2	65.3	66.0	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7
IV 3500	59.9	68.3	69.6	70.3	70.7	70.8	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1
IV 3000	60.4	73.5	75.0	75.6	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6
IV 2500	64.4	79.3	80.9	81.8	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.8
IV 2000	68.1	83.3	84.1	84.8	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1
IV 1800	69.0	87.5	89.4	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5
IV 1500	71.4	90.0	92.6	93.8	94.3	94.0	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0
IV 1200	72.2	92.1	94.3	95.6	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 1000	72.5	92.9	95.3	96.7	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 900	72.5	93.1	95.5	97.0	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
IV 800	72.0	93.3	95.7	97.3	98.1	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IV 700	72.0	93.4	95.9	97.4	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
IV 600	72.5	93.5	96.0	97.6	98.5	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2
IV 500	72.0	93.5	96.1	97.7	98.6	98.8	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4
IV 400	72.0	93.5	96.1	97.7	98.7	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IV 300	72.0	93.5	96.1	97.7	98.7	98.9	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6
IV 200	72.0	93.5	96.1	97.7	98.7	98.9	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7
IV 100	72.0	93.5	96.1	97.7	98.8	99.0	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 0	72.5	93.5	96.1	97.8	98.8	99.0	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

111

DATA PROCESSING DIVISION
ETAC, USAF
MEMPHIS, TENN. 38101

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SHREVEPORT, LA

DATE
10-7-61

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6,000-07,000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	40.2	42.0	43.4	43.9	43.9	43.7	43.4	43.4	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 14000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 10000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 8000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 7000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 5000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4500	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 3500	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 3000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 2500	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 2000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1800	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1500	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1200	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1000	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 900	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 800	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 700	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 600	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 500	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 400	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 300	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 200	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 100	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 0	43.4	41.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SEATTLE TACAN-101-100

YEARS
1967

MONTH

TIME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(1:50:00) to (1:50:00)
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.7	33.4	33.8	34.7	34.5	34.5	34.5	34.0	34.0	34.0	34.0	34.0	34.7	34.7	34.7	34.8
≥ 20000	31.4	37.1	37.6	38.0	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.7
≥ 18000	31.0	37.1	37.6	38.0	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.7
≥ 16000	32.1	37.4	38.0	38.3	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.9	39.0
≥ 14000	32.5	38.3	38.9	39.2	39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.9
≥ 12000	34.5	40.1	40.7	41.1	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.8
≥ 10000	37.0	42.9	43.5	43.9	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.6
≥ 9000	37.3	44.1	44.7	45.0	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.7	45.7
≥ 8000	40.5	47.3	48.2	48.5	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.2
≥ 7000	42.3	48.3	50.2	50.6	51.0	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3
≥ 6000	44.0	51.0	52.3	53.1	53.5	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.8
≥ 5000	46.1	54.7	55.4	56.0	56.4	56.4	56.4	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 4500	48.7	57.1	57.9	58.9	58.9	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.3
≥ 4000	50.6	59.1	60.8	61.5	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.2	62.2	62.2
≥ 3500	53.2	62.2	64.2	64.9	65.3	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.7
≥ 3000	56.7	66.2	69.3	70.0	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.8
≥ 2500	60.9	72.9	74.1	74.8	75.4	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7
≥ 2000	65.1	79.1	80.4	81.2	81.8	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1
≥ 1800	67.0	81.0	82.9	83.8	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7
≥ 1500	70.7	86.9	88.4	89.4	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3
≥ 1200	72.8	90.4	92.2	93.4	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.3
≥ 1000	73.7	92.4	94.3	95.5	96.1	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.5
≥ 900	73.8	93.3	95.4	96.7	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.8
≥ 800	73.8	93.3	95.7	97.2	97.9	97.9	97.9	98.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3
≥ 700	73.9	93.7	96.0	97.5	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
≥ 600	73.9	93.7	96.1	97.7	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2
≥ 500	74.0	93.8	96.1	97.8	98.7	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.4
≥ 400	74.0	93.8	96.2	97.9	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.5
≥ 300	74.0	93.8	96.2	97.9	98.8	98.9	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.6
≥ 200	74.0	93.8	96.3	98.1	99.1	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.8
≥ 100	74.0	93.8	96.3	98.1	99.1	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.8
≥ 0	74.0	93.8	96.3	98.1	99.1	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS

175

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

29244 STATION NO. 29244-00000

1955

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.00-0.00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	24.7	20.2	29.0	24.0	29.7	27.7	29.9	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.2	30.2
≥ 20000	24.2	14.2	24.3	33.0	25.2	33.3	35.5	12.8	35.5	35.6	35.7	35.7	35.8	35.8	35.8	35.8
≥ 18000	24.7	33.2	34.6	33.2	33.5	33.5	33.7	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9
≥ 16000	10.0	43.2	34.9	33.5	33.8	33.0	36.1	30.1	36.1	36.2	36.2	36.3	36.3	36.3	36.4	36.4
≥ 14000	30.0	34.7	32.8	30.4	36.7	30.7	36.9	37.0	37.0	37.0	37.1	37.2	37.2	37.2	37.3	37.3
≥ 12000	37.3	36.2	37.7	30.3	38.6	38.0	38.8	41.9	37.9	38.9	39.0	39.1	39.1	39.1	39.2	39.2
≥ 10000	34.1	30.9	40.1	40.3	41.1	41.1	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.6	41.6
≥ 9000	34.8	39.9	41.1	31.7	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.5	42.5
≥ 8000	20.7	24.4	45.0	40.2	46.5	40.5	46.7	40.6	46.8	46.8	46.8	46.9	47.0	47.0	47.1	47.1
≥ 7000	41.1	47.0	48.3	49.0	48.3	48.3	49.3	49.3	49.3	49.3	49.3	49.6	49.7	49.7	49.8	49.8
≥ 6000	41.0	46.4	49.7	50.2	50.7	50.7	51.0	51.0	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.3
≥ 5000	41.2	50.0	52.0	52.7	53.0	53.0	53.2	53.3	53.3	53.3	53.4	53.5	53.5	53.5	53.6	53.6
≥ 4500	45.4	52.0	54.3	55.2	55.5	55.5	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0
≥ 4000	47.1	55.0	56.5	57.4	57.7	57.7	57.9	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.2
≥ 3500	49.1	57.5	59.0	60.0	60.3	60.3	60.5	60.5	60.5	60.6	60.7	60.7	60.8	60.8	60.9	60.9
≥ 3000	52.3	61.3	63.0	64.1	64.3	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.9	64.9	65.0	65.0
≥ 2500	56.4	60.0	67.7	68.8	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.6	69.7	69.7	69.8	69.8
≥ 2000	61.1	73.0	74.8	76.0	76.3	76.4	76.4	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.2	77.2
≥ 1800	64.3	77.3	79.3	80.5	81.0	81.1	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.9	81.9
≥ 1500	64.4	84.2	86.3	87.5	88.0	88.2	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	89.0	89.0
≥ 1200	70.1	87.9	90.3	91.8	92.2	92.3	92.9	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.3	93.3
≥ 1000	70.2	89.4	92.2	93.8	94.3	94.3	95.0	95.0	95.0	95.1	95.2	95.2	95.3	95.3	95.4	95.4
≥ 900	70.0	89.0	92.7	94.2	95.1	95.3	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2
≥ 800	71.0	90.1	93.2	95.0	95.9	96.1	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	97.0	97.0
≥ 700	70.0	90.1	93.3	95.4	96.5	96.8	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.9	97.9
≥ 600	70.0	90.3	93.5	95.7	97.0	97.3	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4
≥ 500	70.0	90.3	93.5	95.9	97.4	97.7	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
≥ 400	70.0	90.3	93.5	96.0	97.5	97.9	98.8	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.3	99.3
≥ 300	70.0	91.3	93.5	96.1	97.6	97.9	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.5	99.5
≥ 200	70.0	90.3	93.5	96.1	97.6	98.0	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5
≥ 100	70.0	90.3	93.5	96.1	97.6	98.0	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5
≥ 0	70.0	90.3	93.5	96.1	97.6	98.0	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
 RTAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 4244 STATION NAME SPANISH SPRING STATION NUMBER 4244 YEAR 1964 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1400
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
NV 18000 16000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
NV 15000 13000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
NV 10000 9000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
NV 8000 7000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
NV 6000 5000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
NV 4500 4000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
NV 3500 3000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
NV 2500 2000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
NV 1800 1500	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
NV 1200 1000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
NV 900 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
NV 700 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
NV 500 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
NV 300 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
NV 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON, WAC
STATION NAME

19-00
YEARS

12-00
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	34.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	42.3	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	42.3	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	42.4	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	43.1	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	43.3	48.5	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 10000	43.3	51.3	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	49.1	52.6	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000	52.0	56.4	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000	55.3	59.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 6000	56.0	61.3	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	59.0	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	61.0	66.1	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	66.0	71.1	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	71.7	78.0	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	76.4	84.0	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	81.0	90.3	90.9	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	83.4	94.0	94.8	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	83.8	94.7	95.6	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1600	84.2	96.0	97.0	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1400	84.3	96.4	97.6	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	84.3	96.7	98.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	84.3	96.7	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1750

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON, FVC

49-03

1-6V

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	37.4	38.4	38.4	38.4	38.4	38.4	38.4	33.4	34.4	38.4	38.4	38.4	37.4	38.4	38.4	38.4
≥ 20000	47.0	48.9	48.9	48.9	48.9	48.9	49.0	47.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	47.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	47.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	49.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 12000	51.3	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	54.7	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	56.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	58.9	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	62.0	65.1	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	64.1	67.7	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	67.4	71.0	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	70.0	74.1	74.8	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4000	73.0	77.5	78.4	79.0	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	77.3	83.7	83.9	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	82.1	89.5	89.8	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	84.0	93.0	93.3	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	85.7	95.0	95.2	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	86.0	96.3	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	86.3	97.1	97.9	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	86.3	97.5	98.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	86.4	97.7	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	86.4	97.7	99.0	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.4	97.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 STATION WASHINGTON FLD
STATION NAME

1961

YEARS

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1,110,000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	39.4	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000	47.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	47.1	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 14000	48.0	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	50.4	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	54.2	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 9000	56.1	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	60.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	63.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	66.0	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	70.2	74.3	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	72.1	78.2	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	73.4	82.1	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500	76.4	86.0	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	81.3	89.9	90.3	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	92.8	92.9	93.5	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	93.4	94.9	95.7	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	94.1	95.3	96.2	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	94.9	96.1	97.1	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	94.0	96.2	97.6	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	94.0	96.8	97.9	98.8	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	94.0	96.8	97.9	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	94.0	96.8	97.9	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	94.0	96.8	97.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	94.0	96.8	97.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	94.0	96.8	97.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.0	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	94.0	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	94.0	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	94.0	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	94.0	96.8	97.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

17.2

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244

STATION WASHINGTON D.C.

1965

Y

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	2%	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	47.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
NV 18000	47.4	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
NV 16000	47.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
NV 14000	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
NV 12000	49.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
NV 10000	52.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
NV 9000	54.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
NV 8000	58.7	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
NV 7000	62.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
NV 6000	64.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
NV 5000	68.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
NV 4500	70.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
NV 4000	72.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
NV 3500	75.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
NV 3000	77.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
NV 2500	79.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
NV 2000	81.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
NV 1800	82.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
NV 1500	82.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
NV 1200	82.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
NV 1000	83.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
NV 900	83.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
NV 800	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 700	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 600	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 500	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 400	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 300	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 200	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 100	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 0	83.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 172

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON
STATION NAME

1960
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	34.0 40.5	30.9 43.3	37.1 43.0	37.3 43.8	37.4 43.9	37.4 43.9	37.4 43.9	37.4 43.9	37.4 43.9	37.4 44.0	37.4 44.0	37.4 44.0	37.4 44.0	37.4 44.0	37.5 44.0	37.5 44.0
IV 18000 16000	40.5 40.8	43.4 42.7	43.7 44.0	43.9 44.2	44.0 44.3	44.0 44.3	44.1 44.3	44.1 44.3	44.1 44.3	44.1 44.4	44.1 44.4	44.1 44.4	44.1 44.4	44.1 44.4	44.1 44.4	44.1 44.4
IV 14000 12000	41.7 43.5	44.7 46.0	45.0 46.9	45.2 47.1	45.3 47.2	45.3 47.3	45.3 47.3	45.3 47.3	45.3 47.3	45.4 47.3	45.4 47.3	45.4 47.3	45.4 47.3	45.4 47.4	45.4 47.4	45.4 47.4
IV 10000 9000	45.2 47.4	49.7 51.0	50.0 51.4	50.2 51.6	50.3 51.7	50.3 51.7	50.4 51.7	50.4 51.8	50.4 51.8	50.4 51.8	50.4 51.8	50.4 51.8	50.4 51.8	50.4 51.8	50.4 51.8	50.5 51.8
IV 8000 7000	51.0 53.0	55.0 56.2	55.4 56.6	55.6 56.8	55.7 56.9	55.7 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.8 56.9	55.9 56.9
IV 6000 5000	55.4 58.1	60.3 62.8	60.8 64.3	61.0 64.6	61.2 64.7	61.2 64.7	61.2 64.7	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8
IV 4500 4000	60.4 63.1	66.0 70.3	67.1 70.9	67.4 71.2	67.5 71.4	67.5 71.4	67.5 71.4	67.5 71.4	67.5 71.4	67.5 71.5	67.5 71.5	67.5 71.5	67.5 71.5	67.5 71.5	67.5 71.5	67.5 71.5
IV 3500 3000	66.4 69.9	74.2 79.0	74.8 79.8	75.2 80.2	75.4 80.4	75.4 80.4	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5	75.5 80.5
IV 2500 2000	73.3 76.4	83.7 88.2	84.5 89.2	85.0 89.8	85.2 90.0	85.3 90.1	85.3 90.2	85.3 90.2	85.3 90.2	85.4 90.2	85.4 90.2	85.4 90.2	85.4 90.2	85.4 90.2	85.4 90.2	85.4 90.3
IV 1800 1500	77.1 79.2	90.4 93.0	91.2 94.1	91.8 94.9	92.1 95.2	92.1 95.2	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.3	92.2 95.4
IV 1200 1000	79.7 80.2	94.6 95.3	95.9 96.8	96.8 97.8	97.1 98.2	97.2 98.3	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.4	97.3 98.5
IV 900 800	80.2 80.2	95.6 95.0	97.1 97.3	98.2 98.4	98.5 98.9	98.7 99.0	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.2
IV 700 600	80.2 80.2	95.7 95.7	97.3 97.3	98.5 98.6	99.0 99.2	99.1 99.3	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5
IV 500 400	80.2 80.2	95.7 95.7	97.4 97.4	98.6 98.6	99.3 99.3	99.4 99.4	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7
IV 300 200	80.2 80.2	95.7 95.7	97.4 97.4	98.7 98.7	99.4 99.4	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
IV 100 0	80.2 80.2	95.7 95.7	97.4 97.4	98.7 98.7	99.4 99.4	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7

TOTAL NUMBER OF OBSERVATIONS 1207

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244

SEATTLE WASHINGTON TAC

69-60

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	41.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
NV 18000	41.8	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
NV 16000	42.1	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
NV 14000	42.7	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
NV 12000	43.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
NV 10000	45.8	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
NV 9000	46.6	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
NV 8000	51.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
NV 7000	54.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
NV 6000	57.4	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
NV 5000	60.4	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
NV 4500	62.0	68.2	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
NV 4000	65.4	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
NV 3500	68.0	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
NV 3000	71.1	79.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
NV 2500	73.1	83.1	83.3	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
NV 2000	76.5	87.5	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
NV 1800	77.5	89.4	89.6	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
NV 1500	79.5	92.0	92.9	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
NV 1200	80.7	95.1	95.6	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
NV 1000	81.8	96.5	97.1	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
NV 900	81.9	96.7	97.4	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
NV 800	82.0	97.1	97.8	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
NV 700	82.1	97.5	98.2	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
NV 600	82.1	97.6	98.4	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 500	82.2	97.7	98.5	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
NV 400	82.2	97.7	98.5	99.2	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 300	82.2	97.7	98.5	99.2	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
NV 200	82.2	97.7	98.5	99.2	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
NV 100	82.2	97.7	98.5	99.2	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
NV 0	82.2	97.7	98.5	99.2	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

FORM
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24246
STATION

SEATTLE WASHINGTON F.O.

47-01

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1,100-1,200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	28.9	32.0	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 18000	31.4	34.9	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 16000	31.4	34.9	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 14000	33.1	36.0	37.1	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 12000	34.5	38.0	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 10000	38.0	40.4	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 9000	37.5	41.4	41.8	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 8000	40.3	44.6	45.3	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 7000	43.1	46.0	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 6000	44.0	49.9	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 5000	48.2	54.5	55.1	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 4500	50.4	57.1	57.7	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 4000	53.3	60.2	61.3	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500	55.5	63.5	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 3000	58.5	66.0	67.7	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 2500	61.3	70.0	71.5	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2000	65.8	76.5	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800	67.0	79.2	80.4	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	70.1	83.3	84.5	85.3	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1200	72.0	87.1	89.5	90.4	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	73.8	90.2	92.2	93.3	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	74.3	91.2	93.2	94.5	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	74.6	91.1	94.2	95.6	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	74.8	92.3	94.8	96.4	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	74.9	92.9	95.4	97.1	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	74.9	92.9	95.5	97.2	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	74.9	92.9	95.5	97.3	98.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	75.0	93.0	95.7	97.4	98.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	75.0	93.0	95.7	97.4	98.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	75.0	93.0	95.7	97.4	98.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	75.0	93.0	95.7	97.4	98.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 16

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON, W.C.

1960

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 20000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 18000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 16000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 14000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 12000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 10000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 9000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 8000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 7000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 6000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 5000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 4500	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 4000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 3500	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 3000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 2500	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 2000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 1800	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 1500	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 1200	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 1000	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 900	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 800	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 700	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 600	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 500	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 400	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 300	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 200	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 100	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 0	24.0	27.5	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3

TOTAL NUMBER OF OBSERVATIONS

14

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

29244 STATION SEATTLE TASHENHUT 2.6

1955

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/4	≥ 0
NO CEILING	28.5	30.6	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 20000	32.5	32.2	32.5	32.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IV 18000	32.0	32.5	32.8	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 16000	32.7	32.5	32.9	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 14000	33.0	32.7	32.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 12000	34.9	32.0	32.3	32.2	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 10000	37.3	40.0	41.3	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 9000	38.9	42.4	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 8000	42.1	46.0	46.4	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 7000	44.2	48.0	49.0	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 6000	46.0	50.5	50.9	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 5000	48.2	52.0	53.5	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 4500	49.9	53.5	55.5	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4000	52.1	57.5	57.8	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 3500	55.3	61.7	62.1	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3000	59.8	57.0	57.7	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 2500	64.3	73.5	74.2	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000	69.0	71.0	71.6	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1800	70.7	83.9	85.1	85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1500	73.2	88.4	90.4	91.1	91.6	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	73.9	91.0	92.9	93.0	94.0	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	74.0	92.0	94.4	95.3	96.5	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	74.2	92.5	95.0	96.3	97.3	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	74.2	92.6	95.2	96.5	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	74.3	92.7	95.4	97.0	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	74.3	92.8	95.5	97.2	98.4	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	74.3	92.8	95.5	97.3	98.5	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	74.3	92.8	95.6	97.4	98.6	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 18

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON FNL
STATION NAME

1964
YEARS

12
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-11-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	33.0 40.0	36.3 44.1	36.3 43.2	36.3 43.0	36.3 43.6	36.3 43.0	36.3 43.6	36.3 43.0	36.3 43.0	36.3 43.0	36.3 43.0	36.3 43.0	36.3 43.0	36.3 43.0	36.3 43.0	36.3 43.0
NV 18000	40.3	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
NV 16000	40.3	43.6	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
NV 14000	41.0	44.0	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
NV 12000	43.2	46.0	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
NV 10000	45.3	49.0	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
NV 9000	47.0	51.1	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
NV 8000	51.1	55.7	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
NV 7000	55.0	59.7	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
NV 6000	56.2	61.2	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
NV 5000	59.3	62.4	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
NV 4500	61.0	67.1	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
NV 4000	64.3	71.0	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
NV 3500	67.2	75.2	75.9	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
NV 3000	71.9	80.2	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
NV 2500	76.8	87.3	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
NV 2000	79.2	91.3	92.4	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
NV 1800	79.8	92.3	93.7	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
NV 1500	80.4	94.0	95.4	96.1	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
NV 1200	80.3	94.0	96.2	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
NV 1000	80.7	95.0	96.6	97.8	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
NV 900	80.7	95.1	97.0	98.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
NV 800	80.7	95.1	97.0	98.3	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
NV 700	80.7	95.1	97.0	98.4	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
NV 600	80.7	95.1	97.0	98.4	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
NV 500	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 400	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 300	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 200	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 100	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
NV 0	80.7	95.1	97.0	98.4	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 15

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE KINGSTON ISLAND
STATION NAME

1960
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1349-1780
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	35.3 43.9	31.7 42.2	27.9 42.6	27.9 42.6	27.9 42.6	31.9 42.6	37.9 42.6	31.9 42.6	37.9 42.6	37.9 42.6	37.9 42.6	37.9 42.6	37.9 42.6	37.9 42.6	37.9 42.6	37.9 42.6
≥ 18000 ≥ 16000	44.1 44.5	40.3 40.7	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8	40.4 40.8
≥ 14000 ≥ 12000	40.0 47.3	40.1 49.9	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0	40.2 50.0
≥ 10000 ≥ 9000	51.1 52.9	53.0 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3	53.7 53.3
≥ 8000 ≥ 7000	57.4 60.8	60.2 64.4	60.4 64.3	60.4 64.3	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4	60.4 64.4
≥ 6000 ≥ 5000	67.7 66.5	66.4 71.0	66.5 71.2	66.5 71.2	66.5 71.2	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4	66.5 71.4
≥ 4500 ≥ 4000	68.0 72.4	73.6 77.3	73.8 77.7	73.8 77.8	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9	73.9 77.9
≥ 3500 ≥ 3000	76.7 80.0	82.9 86.3	82.7 87.8	82.9 88.0	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1	83.0 88.1
≥ 2500 ≥ 2000	83.4 85.2	91.1 94.3	92.3 95.4	92.6 95.6	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9	92.7 95.9
≥ 1800 ≥ 1500	85.5 85.9	94.9 95.0	95.9 97.0	96.3 97.6	96.4 97.7	96.5 97.8	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9
≥ 1200 ≥ 1000	86.0 86.0	96.1 96.4	97.5 97.4	98.2 98.5	98.3 98.8	98.4 98.9	98.5 99.0	98.6 99.2	98.6 99.2	98.6 99.2	98.6 99.2	98.6 99.2	98.6 99.2	98.6 99.2	98.6 99.2	98.6 99.2
≥ 900 ≥ 800	86.1 86.1	96.2 96.3	97.9 98.0	98.6 98.7	99.0 99.1	99.1 99.2	99.2 99.3	99.4 99.3	99.4 99.3	99.4 99.3	99.4 99.3	99.4 99.3	99.4 99.3	99.4 99.3	99.4 99.3	99.4 99.3
≥ 700 ≥ 600	86.1 86.1	96.3 96.3	98.0 98.0	98.8 98.8	99.2 99.2	99.3 99.3	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 500 ≥ 400	86.1 86.1	96.3 96.3	98.0 98.0	98.8 98.8	99.2 99.2	99.3 99.3	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 300 ≥ 200	86.1 86.1	96.3 96.3	98.0 98.0	98.8 98.8	99.2 99.2	99.3 99.3	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 100 0	86.1 86.1	96.3 96.3	98.0 98.0	98.8 98.8	99.2 99.2	99.3 99.3	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

6923

STARS

1800
MONTH

100-2000
NOV 85 (151)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, CLAF
ASPREVILLE, GA 30424

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SPRINGFIELD

YEARS
1950

MONTH
10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE
10-10-73

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	41.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
NV 18000	43.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
NV 16000	45.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
NV 14000	45.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
NV 12000	45.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
NV 10000	51.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
NV 9000	51.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
NV 8000	51.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
NV 7000	61.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
NV 6000	65.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
NV 5000	65.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
NV 4500	65.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
NV 4000	71.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
NV 3500	74.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
NV 3000	77.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
NV 2500	79.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
NV 2000	81.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
NV 1800	82.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
NV 1500	83.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
NV 1200	83.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
NV 1000	84.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
NV 900	83.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 800	83.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 700	83.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 600	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 500	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 400	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 300	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 200	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 100	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
NV 0	84.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 10

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 24244 SHEET 60503-0011-188

1961

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.0	30.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	31.0	41.1	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 18000	31.0	41.4	41.0	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000	31.1	41.7	41.2	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 14000	40.3	42.2	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	41.2	44.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 10000	44.2	47.1	47.2	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 9000	45.3	49.0	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000	49.1	53.2	53.3	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	52.1	57.1	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 6000	54.0	59.4	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	57.2	63.2	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	59.2	65.0	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	62.1	69.0	69.4	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500	65.1	72.0	72.2	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	69.1	77.1	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	72.3	81.0	82.3	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	75.3	86.1	86.9	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	76.3	87.0	88.6	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	77.2	90.0	91.8	92.5	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	78.8	92.1	94.0	94.7	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	79.3	94.0	95.6	96.5	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	79.5	94.4	96.0	97.0	97.6	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	79.6	94.7	96.4	97.5	98.1	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	79.6	94.9	96.6	97.8	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	79.7	95.0	96.8	98.0	98.8	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	79.7	95.1	96.8	98.1	98.9	99.0	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	79.7	95.1	96.9	98.1	98.9	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	79.7	95.1	96.9	98.2	99.0	99.1	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	79.7	95.1	96.9	98.2	99.0	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	79.7	95.1	96.9	98.2	99.0	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	79.7	95.1	96.9	98.2	99.0	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1464

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 27001

CEILING VERSUS VISIBILITY

STATION 4244 SEATTLE WASHINGTON 1960 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	57.5	50.5	60.7	60.7	60.8	50.5	60.8	50.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 20000	58.2	51.2	61.7	61.7	61.8	51.2	61.8	51.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	58.5	51.5	62.0	62.0	62.1	52.1	62.1	52.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	58.7	51.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 14000	59.3	52.0	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 12000	59.7	52.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	62.5	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	62.6	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	65.5	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	68.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 6000	69.5	73.0	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	72.5	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4500	73.5	76.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	75.0	80.5	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	76.8	82.6	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	78.4	86.2	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	81.1	89.5	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	82.9	91.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	83.9	93.0	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	85.8	95.4	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	86.5	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	87.1	97.5	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	87.8	97.4	97.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	88.5	97.1	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	89.4	97.9	98.7	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	89.9	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	90.4	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	90.9	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	90.9	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	90.9	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	90.9	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	90.9	98.0	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1777

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON FWC

47-48

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-0700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	43.9	47.0	47.8	47.9	47.9	47.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	45.0	46.9	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	45.2	47.1	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	45.3	47.2	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	45.0	50.1	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000	47.0	51.1	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	47.0	53.2	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	49.0	53.0	54.0	54.1	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	51.3	56.0	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	53.0	58.3	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 6000	54.3	59.2	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 5000	55.9	62.4	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	58.0	64.7	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	60.1	66.4	66.7	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	61.3	68.3	68.6	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	63.0	71.2	71.5	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	65.8	74.0	74.9	75.2	75.2	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	69.2	79.2	79.6	80.1	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800	71.7	81.8	82.2	82.7	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1500	74.6	86.3	86.9	87.4	87.5	87.5	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	76.9	90.3	91.2	91.8	91.9	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	78.2	92.9	93.9	94.5	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	78.7	93.9	95.0	95.9	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	78.7	94.4	95.5	96.4	96.9	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	79.0	94.9	96.0	97.0	97.6	97.6	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	79.0	95.2	96.4	97.5	98.2	98.2	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	79.0	95.3	96.8	97.9	98.6	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	79.1	95.5	97.0	98.1	98.8	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	79.1	95.5	97.0	98.2	98.9	98.9	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	79.1	95.5	97.0	98.2	98.9	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	79.1	95.6	97.1	98.2	98.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	79.1	95.6	97.1	98.2	98.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1717

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 24244 SEATTLE WASHINGTON 1-6

7-1-53

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	34.9	37.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	35.7	41.0	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	36.2	41.8	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	36.3	42.0	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	36.7	42.4	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	37.7	43.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	38.7	43.1	45.5	45.0	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 9000	39.3	43.6	46.7	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	42.3	48.0	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 7000	42.9	48.3	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000	43.2	51.9	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 5000	47.1	53.6	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500	48.9	56.1	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	50.7	58.0	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3500	52.3	60.0	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 3000	54.7	63.0	64.3	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 2500	57.2	66.5	67.3	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	61.1	72.6	73.4	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1800	63.7	75.4	76.2	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	66.6	80.6	81.6	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	68.9	83.0	86.3	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	70.5	88.1	89.9	90.4	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	71.0	89.2	90.7	91.7	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	71.5	90.4	92.4	93.7	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	71.6	91.4	93.7	95.1	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	71.7	91.7	94.2	95.8	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	71.9	92.0	94.6	96.4	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	71.9	92.0	94.7	96.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	71.9	92.1	94.7	96.7	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	71.9	92.2	94.8	96.7	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	71.9	92.2	94.8	96.7	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	71.9	92.2	94.8	96.7	98.3	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON FWC

47-00

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.4	45.1	45.9	46.4	46.8	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	42.1	48.0	48.8	49.4	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	42.9	48.3	49.1	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	42.9	48.3	49.2	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	42.5	48.1	49.0	50.1	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	42.4	48.0	50.4	51.0	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	44.8	51.2	52.3	52.8	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	45.2	52.0	53.1	53.6	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	47.9	55.1	56.2	56.8	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 7000	49.9	57.3	58.5	59.1	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	50.9	58.4	59.6	60.2	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	52.2	59.0	61.1	61.7	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4500	53.9	62.0	63.2	63.8	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	55.5	63.7	65.0	65.6	66.1	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	56.0	65.3	66.6	67.2	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	59.3	69.1	70.5	71.1	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2500	65.2	75.9	77.2	77.8	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	70.1	83.0	84.4	85.1	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800	71.6	85.5	87.0	87.8	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	74.2	89.3	91.1	92.0	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	75.8	91.4	93.8	95.1	95.7	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	75.9	92.4	95.0	96.5	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	75.9	92.7	95.3	96.8	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	75.9	92.8	95.6	97.1	98.2	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	75.9	92.8	95.6	97.2	98.6	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	76.0	92.9	95.7	97.4	98.8	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	76.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	76.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	76.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	76.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	76.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	76.0	92.9	95.7	97.4	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
ST. JAMES

YEARS
1970

MONTH
JUL

12(0)=1440
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 6000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 3500	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 3000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2500	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1800	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1500	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1200	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1000	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 900	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 800	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 700	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 600	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 500	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 400	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 300	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 200	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 100	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 0	50.5	50.3	57.5	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
FIAL, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON 6-10
STATION STATION NAME

40-60

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	53.0	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	53.0	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 14000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 10000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 8000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 7000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 6000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 5000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 4500	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 4000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 3500	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 3000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 2500	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 2000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 1800	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 1500	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 1200	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 1000	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 900	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 800	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 700	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 600	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 500	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 400	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 300	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 200	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 100	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
0	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8

TOTAL NUMBER OF OBSERVATIONS 174

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON
STATION NAME

49-50
YEARS

MONTH

1-1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1 (1-2000)
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	63.9	64.1	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 20000	65.9	66.1	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 18000	65.9	66.1	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 16000	66.2	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
N 14000	67.3	67.5	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
N 12000	68.2	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
N 10000	70.0	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
N 9000	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
N 8000	74.9	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
N 7000	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
N 6000	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
N 5000	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
N 4500	88.8	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
N 4000	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
N 3500	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
N 3000	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
N 2500	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
N 2000	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
N 1800	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
N 1500	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
N 1200	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
N 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17..

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24254
STATION

SEATTLE WASHINGTON TAC
STATION NAME

49-03
YEARS

1-11
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1160-73.0
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	62.1 64.3	64.8 67.3	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4	64.9 67.4
18000 16000	64.1 64.9	67.5 67.7	67.5 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8	67.7 67.8
14000 12000	65.8 66.6	68.6 69.4	68.8 69.6	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7	68.8 69.7
10000 9000	68.4 69.3	71.3 72.3	71.6 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6	71.7 72.6
8000 7000	72.5 73.0	75.0 75.0	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9	75.9 75.9
6000 5000	77.0 78.2	80.2 81.1	80.7 81.2	80.7 81.3	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4	80.9 81.4
4500 4000	81.2 83.2	85.3 87.4	85.8 88.0	85.8 88.1	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2	86.0 88.2
3500 3000	84.3 85.8	89.0 92.0	90.2 92.3	90.3 92.6	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8	90.3 92.8
2500 2000	87.3 88.2	94.2 95.1	94.8 96.3	94.9 96.4	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5	95.0 96.5
1800 1500	88.8 89.4	96.5 97.3	97.3 98.1	97.5 98.2	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4	97.5 98.4
1200 1000	99.2 99.7	99.1 99.2	99.1 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2
900 800	99.2 99.0	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6
700 600	99.0 99.0	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6
500 400	99.0 99.0	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6
300 200	99.0 99.0	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6
100 0	99.0 99.0	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6

TOTAL NUMBER OF OBSERVATIONS

17-4

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON PAC

1960

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.1	55.2	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	54.0	58.4	58.8	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	54.1	58.0	59.0	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	54.9	59.4	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 12000	55.5	60.4	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 10000	57.9	62.0	63.1	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	58.5	63.4	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	61.5	66.0	67.1	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	63.7	69.1	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	65.0	70.5	71.1	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	67.2	72.0	72.6	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	68.7	74.8	75.4	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	70.4	76.9	77.5	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	72.2	79.2	79.8	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3000	74.5	82.2	82.9	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	76.8	85.4	86.1	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	79.5	88.8	89.6	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	80.5	90.2	91.1	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	81.8	91.5	92.5	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	82.4	92.2	93.4	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	82.8	92.8	93.8	94.6	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	82.9	93.5	94.8	95.3	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	83.0	93.8	94.9	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	83.1	94.0	95.1	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	83.1	94.1	95.2	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	83.1	94.2	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	83.1	94.2	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 300	83.1	94.2	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	83.1	94.2	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 100	83.1	94.2	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 0	83.1	94.2	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS

15374

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON F4C

49-62

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.7	54.4	55.4	55.4	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	51.5	56.1	57.2	57.8	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 16000	51.5	56.8	57.3	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	51.9	56.8	57.3	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	52.7	56.2	59.1	59.2	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000	53.9	60.1	60.7	61.1	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	54.3	60.6	61.2	61.6	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 8000	57.3	64.1	64.7	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	59.0	66.1	67.4	67.7	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 6000	60.3	68.3	68.9	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	62.3	71.1	72.3	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4500	64.2	73.0	74.4	74.8	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4000	66.2	76.4	77.0	77.4	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3500	67.9	79.0	79.6	80.0	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	69.4	81.4	82.1	82.5	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	71.5	84.1	84.9	85.1	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	74.0	88.0	88.9	89.3	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800	75.4	89.8	90.3	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	76.8	92.4	93.4	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	78.0	94.3	95.6	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	78.5	95.4	96.9	97.7	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	78.5	95.7	97.3	98.2	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	78.4	95.8	97.4	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	78.5	95.9	97.5	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	78.5	95.9	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	78.5	95.9	97.6	98.7	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	78.5	96.0	97.6	98.7	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME SEATTLE TASH-170-1-0 YEARS MONTH 1-3(7)=73(0)
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	54.1	41.0	41.4	42.9	43.1	42.1	43.3	42.5	42.5	43.2	43.5	43.5	43.6	43.5	42.5	43.6
IV 18000	55.8	42.9	43.8	44.8	45.0	45.0	45.2	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5
IV 16000	55.8	42.9	43.8	44.8	45.0	45.0	45.2	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5
IV 14000	55.9	43.0	44.0	44.9	45.2	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7
IV 12000	56.7	44.0	45.1	46.1	46.4	46.4	46.6	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9
IV 10000	58.2	46.0	47.1	48.1	48.4	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9
IV 9000	59.2	47.0	48.1	49.1	49.4	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9
IV 8000	61.5	49.1	50.6	51.9	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7
IV 7000	63.5	51.1	53.2	54.3	54.6	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2
IV 6000	64.9	53.0	55.0	56.1	56.4	56.4	56.6	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
IV 5000	66.9	55.0	57.0	58.1	58.4	58.4	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
IV 4500	68.0	56.2	58.5	60.6	60.9	61.0	61.2	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5
IV 4000	69.3	57.0	60.3	62.3	62.7	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3
IV 3500	70.7	58.4	61.7	63.7	64.1	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6
IV 3000	72.4	60.5	63.8	65.8	66.2	66.2	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8
IV 2500	74.5	62.7	66.0	68.0	68.4	68.4	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0
IV 2000	77.2	65.0	68.3	70.3	70.7	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
IV 1800	79.7	67.1	70.4	72.4	72.8	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
IV 1500	82.0	69.3	72.6	74.6	75.0	75.0	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6
IV 1200	84.9	71.4	74.7	76.7	77.1	77.1	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
IV 1000	87.9	73.5	76.8	78.8	79.2	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8
IV 900	90.1	75.6	78.9	80.9	81.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
IV 800	92.4	77.7	81.0	83.0	83.4	83.4	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
IV 700	94.9	79.8	83.1	85.1	85.5	85.5	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1
IV 600	97.2	81.9	85.2	87.2	87.6	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2
IV 500	99.7	84.0	87.3	89.3	89.7	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
IV 400	100.0	86.1	89.4	91.4	91.8	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
IV 300	100.0	88.2	91.5	93.5	93.9	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
IV 200	100.0	90.3	93.6	95.6	96.0	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
IV 100	100.0	92.4	95.7	97.7	98.1	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IV 0	100.0	94.5	97.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3151

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28601

CEILING VERSUS VISIBILITY

STATION 24244 SHEET 1 OF 1

49-00

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME
MOJAS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	21.1	24.1	31.1	32.1	33.1	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 18000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 14000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 12000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 10000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 9000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 8000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 7000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 6000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 5000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 4500	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 4000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 3500	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 3000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 2500	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 2000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1800	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1500	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1200	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1000	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 900	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 800	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 700	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 600	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 500	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 400	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 300	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 200	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 100	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 0	21.2	24.2	31.2	32.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7

TOTAL NUMBER OF OBSERVATIONS

171

DATA PROCESSING DIVISION
ETAC USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

STATION
4244

STATION NAME
ASHEVILLE

YEAR
1961

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

672.0
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	10.1	27.2	38.5	39.3	40.0	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	10.2	40.2	41.7	42.4	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000	10.3	40.3	41.8	42.5	43.4	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 16000	10.4	40.4	41.9	42.6	43.5	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	10.5	40.5	42.0	42.7	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 12000	10.6	40.6	42.1	42.8	43.7	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	10.7	40.7	42.2	42.9	43.8	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 9000	10.8	40.8	42.3	43.0	43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 8000	10.9	40.9	42.4	43.1	44.0	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 7000	11.0	41.0	42.5	43.2	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 6000	11.1	41.1	42.6	43.3	44.2	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 5000	11.2	41.2	42.7	43.4	44.3	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4500	11.3	41.3	42.8	43.5	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 4000	11.4	41.4	42.9	43.6	44.5	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 3500	11.5	41.5	43.0	43.7	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 3000	11.6	41.6	43.1	43.8	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 2500	11.7	41.7	43.2	43.9	44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 2000	11.8	41.8	43.3	44.0	44.9	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 1800	11.9	41.9	43.4	44.1	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 1500	12.0	42.0	43.5	44.2	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 1200	12.1	42.1	43.6	44.3	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 1000	12.2	42.2	43.7	44.4	45.3	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 900	12.3	42.3	43.8	44.5	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 800	12.4	42.4	43.9	44.6	45.5	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 700	12.5	42.5	44.0	44.7	45.6	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 600	12.6	42.6	44.1	44.8	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 500	12.7	42.7	44.2	44.9	45.8	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 400	12.8	42.8	44.3	45.0	45.9	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 300	12.9	42.9	44.4	45.1	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 200	13.0	43.0	44.5	45.2	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 100	13.1	43.1	44.6	45.3	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 0	13.2	43.2	44.7	45.4	46.3	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

CEILING VERSUS VISIBILITY

STATION

SCALE: 1:100,000

STATION NAME

DATE

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	59.3	44.0	49.3	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	52.3	33.4	34.4	34.7	35.2	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	43.4	23.0	24.1	23.2	23.9	23.3	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 14000	34.0	14.0	15.0	15.1	15.3	15.4	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
≥ 12000	25.3	9.0	9.6	9.6	9.6	9.6	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 10000	17.0	6.5	6.7	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
≥ 9000	12.1	5.9	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
≥ 8000	9.3	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 7000	5.2	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
≥ 6000	3.0	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, ONAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 5141-1 743610011 P.C.

DATE

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

156.6 = 1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.6	54.7	55.1	55.4	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	55.7	50.6	50.5	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	55.7	50.6	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	55.7	50.6	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	55.7	50.6	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	55.7	50.6	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	55.7	50.6	56.1	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 9000	55.7	50.6	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	55.7	50.6	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	55.7	50.6	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 6000	55.7	50.6	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	55.7	50.6	66.1	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 4500	55.7	50.6	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	55.7	50.6	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	55.7	50.6	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3000	55.7	50.6	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	55.7	50.6	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	55.7	50.6	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1800	55.7	50.6	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1500	55.7	50.6	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	55.7	50.6	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	55.7	50.6	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900	55.7	50.6	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	55.7	50.6	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	55.7	50.6	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	55.7	50.6	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	55.7	50.6	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 400	55.7	50.6	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	55.7	50.6	100.1	100.1	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
≥ 200	55.7	50.6	102.1	102.1	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
≥ 100	55.7	50.6	104.1	104.1	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
≥ 0	55.7	50.6	106.1	106.1	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24264
STATION

SHUTTLE WASHINGTON, INC
STATION NAME

1961
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1:00-2:00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	54.7 57.7	56.2 58.1	58.5 61.9	58.7 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3	58.8 62.3
18000 16000	55.2 58.6	62.0 62.6	62.2 62.3	62.3 62.7	62.0 62.6	62.0 62.6	62.6 62.7	62.6 62.3	62.6 62.3	62.6 62.3	62.6 62.3	62.6 62.3	62.6 62.3	62.6 62.3	62.6 62.3	62.6 62.3
14000 12000	55.2 58.7	63.0 64.9	63.2 65.1	63.6 65.2	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6	63.6 65.6
10000 9000	62.0 67.3	66.0 67.9	66.8 68.1	67.3 68.7	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8	67.4 68.8
8000 7000	66.1 68.7	71.1 74.1	71.3 74.3	71.8 74.9	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0	72.0 75.0
6000 5000	73.1 73.3	75.0 79.9	76.2 80.1	76.7 80.1	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7	76.9 80.7
4500 4000	74.5 77.3	81.4 82.1	81.7 85.5	82.2 86.1	82.4 86.2	82.4 86.2	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3
3500 3000	76.9 80.6	88.0 90.0	88.5 91.4	89.1 92.0	89.2 92.2	89.2 92.2	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3	89.2 92.3
2500 2000	91.4 94.4	93.0 94.9	93.7 95.5	94.3 96.4	94.7 96.7	94.7 96.7	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8	94.8 96.8
1800 1500	92.5 92.9	95.5 96.1	96.3 97.1	97.2 98.0	97.4 98.3	97.4 98.3	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4
1200 1000	93.0 94.0	96.5 96.7	97.6 97.7	98.5 98.7	98.6 99.0	98.6 99.0	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2
900 800	93.0 93.0	96.7 96.8	97.9 98.0	98.9 98.9	99.2 99.3	99.2 99.3	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6
700 600	93.0 94.0	96.8 96.8	98.1 98.1	99.0 99.0	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
500 400	93.0 93.0	96.8 96.8	98.1 98.1	99.0 99.0	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
300 200	93.0 93.0	96.8 96.8	98.1 98.1	99.0 99.0	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
100 0	93.0 93.0	96.8 96.8	98.1 98.1	99.0 99.0	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7

TOTAL NUMBER OF OBSERVATIONS

17

USAF ETAC

FORM
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

STATION
24246

STATION NAME
STATICE WASHINGTONTG

YEARS
1961

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2000
HOURS (U.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	59.1	59.1	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	57.6	52.3	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 16000	57.0	52.4	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	57.5	52.1	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	57.1	52.0	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	60.1	63.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	60.6	66.0	67.8	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	64.0	70.5	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	66.0	73.2	73.6	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	67.6	75.1	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 5000	69.2	76.4	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	71.4	80.5	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4000	73.7	83.1	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3500	75.1	85.9	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000	76.8	88.5	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	77.8	90.5	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	79.3	92.0	93.9	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	80.0	93.1	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500	81.0	96.1	97.3	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	81.9	98.0	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	81.6	97.1	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	81.0	97.2	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	81.1	97.3	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON FVLC

19-70

1.0

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.0	40.0	38.7	49.3	49.0	49.3	49.3	49.3	49.3	49.0	49.1	49.0	49.3	49.3	49.3	49.3
≥ 20000	44.2	51.0	51.8	52.3	52.7	52.0	52.0	53.0	53.0	53.0	53.1	53.0	53.0	53.0	53.0	53.0
≥ 18000	44.3	51.2	52.0	52.0	52.7	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	44.4	51.3	52.1	52.1	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	44.8	51.5	52.8	53.4	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0
≥ 12000	46.0	53.6	54.4	55.1	55.4	55.5	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	47.3	55.3	56.2	56.9	57.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	48.2	56.4	57.3	58.0	58.3	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	50.4	59.3	60.4	61.1	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	52.8	62.0	63.0	63.7	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	54.1	63.7	64.7	65.4	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	56.2	66.4	67.3	68.2	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500	57.0	66.1	69.2	69.9	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4000	59.0	70.7	71.8	72.3	73.0	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	61.3	73.2	74.4	75.1	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000	63.3	76.1	77.4	78.1	78.6	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	65.3	79.0	80.9	81.8	82.2	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	68.0	83.8	85.2	86.2	86.7	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	69.1	85.4	86.9	88.0	88.5	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	70.8	86.6	90.3	91.4	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200	71.0	90.7	92.5	93.8	94.5	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	72.1	91.4	93.9	95.2	96.0	96.1	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	72.2	92.3	94.4	95.8	96.7	96.8	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	72.3	92.7	95.0	96.4	97.3	97.3	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	72.3	93.1	95.3	96.9	97.9	98.0	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	72.3	93.2	95.5	97.1	98.1	98.3	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	72.3	93.2	95.5	97.2	98.2	98.3	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	72.3	93.2	95.6	97.2	98.3	98.6	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	72.3	93.2	95.6	97.3	98.4	98.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 143

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE KINGSTOWN
LAT. LONG.

1960

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2359
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.9	40.3	30.0	31.0	32.5	32.0	33.3	33.2	33.2	33.3	33.4	33.3	33.6	33.6	33.0	33.0
≥ 20000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 18000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 16000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 14000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 12000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 10000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 9000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 8000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 7000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 6000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 5000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 4500	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 4000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 3500	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 3000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 2500	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 2000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 1800	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 1500	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 1200	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 1000	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 900	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 800	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 700	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 600	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 500	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 400	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 300	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 200	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 100	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0
≥ 0	37.2	30.2	32.2	34.2	34.9	35.0	35.5	35.5	35.0	35.7	35.0	35.2	35.0	30.0	30.0	30.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

74244
STATION

SEATTLE WASHINGTON TAC
STATION NAME

67-68
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1,111-11,111
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.3	34.5	36.7	38.2	39.7	39.9	40.3	40.9	41.0	41.3	41.3	41.4	41.5	41.7	41.8	41.9
≥ 20000	3.3	32.4	37.0	39.7	41.3	41.3	42.4	42.5	42.6	42.6	42.7	42.9	43.1	43.3	43.4	43.4
NV 18000	23.4	36.0	37.7	39.2	41.4	41.6	42.5	42.6	42.7	42.9	43.1	43.3	43.3	43.4	43.5	43.5
16000	23.5	36.2	37.9	40.1	41.6	41.9	42.7	42.8	42.9	43.2	43.3	43.3	43.4	43.5	43.5	43.5
NV 14000	23.7	36.4	38.3	40.5	42.1	42.3	43.2	43.3	43.4	43.7	43.8	43.9	44.0	44.2	44.3	44.3
12000	24.1	36.9	39.7	42.0	43.5	43.7	44.7	44.8	44.9	45.2	45.3	45.3	45.4	45.7	45.8	45.8
NV 10000	26.0	39.0	41.1	43.2	45.4	45.6	46.6	46.7	46.8	47.1	47.2	47.3	47.4	47.7	47.7	47.7
9000	27.0	40.1	42.3	44.5	46.4	46.7	47.6	47.7	47.8	48.1	48.2	48.3	48.4	48.7	48.7	48.7
NV 8000	29.0	44.0	45.9	48.4	50.1	50.3	51.3	51.4	51.5	51.7	51.8	51.9	52.0	52.2	52.4	52.4
7000	30.1	45.0	47.5	50.0	51.7	51.9	52.7	53.0	53.1	53.3	53.4	53.5	53.6	53.7	54.0	54.0
NV 6000	31.2	46.2	49.1	51.0	53.3	53.5	54.5	54.6	54.7	54.9	55.1	55.1	55.2	55.3	55.5	55.5
5000	32.4	47.5	51.3	53.4	55.7	55.9	56.9	57.0	57.1	57.4	57.5	57.5	57.6	57.7	58.0	58.0
NV 4500	34.5	51.1	53.5	56.1	57.9	58.2	59.1	59.3	59.4	59.5	59.7	59.7	59.8	60.1	60.2	60.2
4000	36.4	53.6	55.5	58.3	60.1	60.3	61.2	61.4	61.6	61.6	61.7	61.7	61.8	62.1	62.4	62.4
NV 3500	37.1	56.5	58.4	61.0	62.9	63.2	64.2	64.3	64.4	64.7	64.8	64.9	65.0	65.2	65.3	65.3
3000	38.1	59.7	61.7	64.4	66.3	66.6	67.6	67.7	67.8	68.0	68.2	68.2	68.3	68.5	68.7	68.7
NV 2500	40.2	62.8	64.8	67.6	69.6	69.8	71.0	71.1	71.3	71.5	71.5	71.6	71.7	71.8	72.1	72.2
2000	42.2	66.0	68.3	71.3	73.3	73.5	74.7	74.9	75.0	75.4	75.4	75.5	75.5	75.7	76.0	76.0
NV 1800	42.8	67.4	69.5	72.3	74.5	74.8	75.9	76.1	76.2	76.6	76.7	76.7	76.8	77.1	77.2	77.2
1500	43.9	69.6	72.2	75.3	77.4	77.7	78.9	79.0	79.1	79.3	79.7	79.7	79.7	79.8	80.2	80.2
NV 1200	44.1	72.2	74.9	78.1	80.2	80.5	81.6	81.8	82.0	82.4	82.5	82.5	82.6	82.9	83.0	83.0
1000	45.1	73.0	76.7	80.1	82.2	82.5	83.7	84.0	84.1	84.5	84.6	84.6	84.8	85.0	85.1	85.1
NV 900	45.3	74.1	77.8	81.2	83.4	83.7	85.0	85.3	85.4	85.9	86.0	86.0	86.1	86.4	86.6	86.6
800	45.5	75.0	78.8	82.6	84.8	85.2	86.6	86.8	87.0	87.5	87.5	87.5	87.6	88.0	88.2	88.2
NV 700	45.5	75.7	79.1	83.2	85.5	85.9	87.4	87.7	87.8	88.3	88.3	88.4	88.5	88.9	89.0	89.0
600	45.6	76.1	79.5	83.6	85.9	86.3	87.9	88.2	88.3	88.9	88.9	89.0	89.1	89.5	89.6	89.6
NV 500	45.6	76.4	80.1	84.2	86.8	87.2	89.0	89.4	89.5	90.0	90.0	90.2	90.2	90.5	90.7	90.7
400	45.6	76.8	80.2	84.5	87.2	87.6	89.4	90.3	90.4	91.0	91.2	91.2	91.4	91.7	91.8	91.8
NV 300	45.6	76.8	80.3	84.8	87.6	88.4	90.7	91.1	91.3	92.0	92.1	92.3	92.3	92.7	92.8	92.8
200	45.6	76.8	80.3	84.8	87.7	88.4	91.1	91.4	91.6	92.3	92.5	92.5	92.6	93.1	93.2	93.2
NV 100	45.6	76.8	80.3	84.8	87.8	88.5	91.4	91.8	92.0	93.2	93.2	93.2	93.3	93.9	94.0	94.0
0	45.6	76.8	80.3	84.8	87.8	88.5	91.4	91.8	92.0	93.3	93.3	93.3	93.4	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28601

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON FMC

49-63

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0001-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	10.1	20.0	22.5	24.7	25.7	26.7	27.0	28.0	28.7	29.1	29.0	29.4	29.5	29.7	29.7	29.7
18000	12.1	22.2	24.3	26.7	28.7	29.7	29.9	30.3	31.0	31.3	31.4	31.5	31.5	31.5	31.5	31.5
16000	12.2	22.2	24.8	27.2	29.1	29.2	30.4	30.4	30.8	31.4	31.7	31.0	32.2	32.4	32.4	32.5
14000	12.1	22.9	25.1	27.5	29.4	29.5	30.7	31.1	31.1	31.7	32.3	32.1	32.5	32.5	32.5	32.5
12000	11.2	24.1	26.4	27.1	31.1	31.2	32.5	32.7	32.9	33.5	33.5	33.7	34.3	34.4	34.4	34.6
10000	14.7	25.3	28.2	30.9	33.1	33.2	34.4	34.4	34.9	35.5	35.7	35.7	36.3	36.4	36.4	36.6
9000	15.0	26.4	28.9	31.0	33.8	33.9	35.1	35.2	35.5	36.1	36.4	36.5	37.0	37.1	37.2	37.2
8000	17.5	27.5	32.0	35.0	37.2	37.2	38.5	38.9	38.9	39.5	39.7	39.7	40.3	40.2	40.7	40.7
7000	14.5	30.0	33.2	36.2	38.4	38.5	39.8	40.2	40.2	40.9	41.1	41.3	41.7	41.7	42.0	42.0
6000	19.7	32.0	34.6	37.0	40.1	40.1	41.5	42.0	42.0	42.6	42.7	43.0	43.4	43.5	43.7	43.7
5000	20.1	34.0	36.7	40.1	42.3	42.4	43.7	44.3	44.3	44.9	45.2	45.3	45.7	45.7	46.0	46.0
4500	22.1	40.0	38.5	42.1	44.3	44.4	45.8	46.3	46.3	46.9	47.2	47.3	47.7	47.7	48.0	48.0
4000	23.2	30.0	41.0	44.4	46.7	46.7	48.2	48.5	48.5	49.3	49.3	49.7	50.1	50.2	50.4	50.4
3500	24.5	40.5	43.2	46.7	48.9	49.0	50.4	50.9	50.9	51.5	51.7	51.9	52.3	52.3	52.6	52.6
3000	25.1	43.1	45.8	49.3	51.5	51.6	53.0	53.5	53.5	54.1	54.3	54.5	54.9	55.1	55.3	55.3
2500	27.5	45.4	49.3	53.0	55.3	55.4	56.8	57.3	57.3	57.9	58.2	58.3	58.7	58.7	59.1	59.1
2000	29.5	50.1	53.2	57.1	59.4	59.5	61.0	61.5	61.5	62.1	62.4	62.5	62.9	63.0	63.3	63.3
1800	30.0	51.7	55.1	58.9	61.4	61.5	63.0	63.5	63.5	64.2	64.5	64.6	65.0	65.1	65.3	65.3
1500	32.1	52.5	58.9	63.0	65.6	65.7	67.3	67.8	67.8	68.4	68.7	68.8	69.3	69.4	69.6	69.6
1200	32.7	57.4	61.0	65.3	68.1	68.3	70.1	70.7	70.7	71.5	71.5	71.7	72.3	72.4	72.6	72.6
1000	33.4	59.4	63.7	68.2	71.3	71.5	73.7	74.3	74.3	75.1	75.3	75.5	76.0	76.1	76.4	76.4
900	33.4	59.9	64.3	69.0	72.3	72.7	75.0	75.7	75.7	76.5	76.7	77.0	77.5	77.5	77.8	77.8
800	33.5	60.3	64.9	69.8	73.5	74.0	76.7	77.5	77.5	78.3	78.7	79.0	79.3	79.3	79.7	79.7
700	33.5	60.5	65.4	70.5	74.4	75.0	77.8	78.4	78.6	79.8	79.8	80.1	80.6	80.7	81.0	81.0
600	33.5	60.6	65.5	70.9	74.9	76.0	79.0	79.6	79.8	80.9	81.4	81.5	82.1	82.2	82.5	82.5
500	33.7	61.0	66.1	71.7	75.8	77.0	80.3	81.3	81.3	82.8	83.7	83.7	84.1	84.2	84.5	84.5
400	33.7	61.1	66.3	72.1	76.5	77.5	81.8	83.1	83.1	84.7	85.7	85.7	86.3	86.3	86.7	86.7
300	33.7	61.2	66.4	72.4	77.0	78.4	82.9	84.5	84.5	86.6	87.5	87.5	88.0	88.1	88.4	88.4
200	33.7	61.2	66.5	72.5	77.1	78.6	83.3	84.9	84.9	87.5	88.6	88.6	89.1	89.1	89.4	89.4
100	33.7	61.2	66.5	72.5	77.1	78.6	83.6	85.2	85.2	88.6	89.1	89.1	89.6	89.6	89.9	89.9
0	33.7	61.2	66.5	72.5	77.1	78.6	83.6	85.2	85.2	88.6	89.1	89.1	89.6	89.6	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS 174

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SHELBY COUNTY AIRPORT

YEARS
49-50

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6700-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.1	16.5	12.0	15.2	17.6	17.4	16.4	16.0	16.0	18.0	16.1	17.1	16.2	15.2	17.2	19.2
≥ 20000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 18000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 16000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 14000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 12000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 10000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 9000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 8000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 7000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 6000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 5000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 4500	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 4000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 3500	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 3000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 2500	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 2000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 1800	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 1500	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 1200	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 1000	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 900	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 800	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 700	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 600	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 500	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 400	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 300	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 200	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 100	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0
NV 0	21.8	14.4	17.3	14.1	42.2	42.2	43.1	43.3	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASH 15610 - 6
STATION NAME

1960
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	51.0	41.0	44.5	40.0	47.0	47.0	48.0	46.2	46.2	46.3	44.3	46.3	46.3	46.3	46.1	46.3
≥ 20000	34.3	40.1	39.1	32.1	23.3	23.3	23.9	24.1	24.1	24.2	24.2	24.2	24.4	24.4	24.4	24.3
≥ 18000	24.9	40.0	39.2	32.3	23.4	23.6	24.0	24.3	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5
≥ 16000	25.0	40.2	39.3	32.4	23.5	23.7	24.1	24.3	24.3	24.4	24.4	24.4	24.4	24.5	24.5	24.5
≥ 14000	25.2	41.1	31.1	33.2	24.3	24.5	24.9	25.1	25.1	25.2	25.2	25.2	25.4	25.4	25.4	25.4
≥ 12000	25.0	40.2	32.3	36.5	25.7	25.9	26.1	26.6	26.6	26.7	26.7	26.7	26.8	26.8	26.8	26.8
≥ 10000	37.3	30.0	24.4	26.0	21.9	23.3	24.4	27.0	27.0	27.1	27.1	27.1	27.3	27.3	27.3	27.3
≥ 9000	35.1	22.3	26.0	21.3	20.6	20.0	20.5	20.7	20.7	20.7	20.7	20.7	20.7	21.0	21.0	21.0
≥ 8000	51.0	32.4	29.1	61.4	62.7	63.1	63.4	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 7000	42.4	31.0	31.6	64.0	65.2	65.2	66.1	66.4	66.4	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥ 6000	43.0	38.8	62.3	59.3	66.6	67.0	67.5	67.7	67.7	67.9	67.9	67.9	67.9	68.1	68.1	68.1
≥ 5000	44.7	31.0	34.9	67.4	67.7	69.1	69.5	69.7	69.8	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 4500	63.0	66.0	66.0	69.0	70.3	70.7	71.2	71.4	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8
≥ 4000	47.3	66.4	69.6	72.1	73.3	73.7	74.3	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	49.4	58.2	72.7	73.4	76.8	77.2	77.3	78.0	78.0	78.3	78.3	78.3	78.3	78.4	78.4	78.4
≥ 3000	52.2	73.0	77.4	80.2	81.6	82.0	82.6	82.9	82.9	83.1	83.1	83.1	83.1	83.3	83.3	83.3
≥ 2500	54.1	70.4	81.1	84.0	85.5	86.0	86.6	86.9	86.9	87.2	87.2	87.2	87.2	87.4	87.4	87.4
≥ 2000	55.0	79.4	84.4	87.3	89.0	89.5	90.1	90.4	90.4	90.7	90.7	90.7	90.7	90.9	90.9	90.9
≥ 1800	56.3	80.3	85.8	88.9	90.5	91.0	91.6	91.9	91.9	92.2	92.2	92.2	92.4	92.4	92.4	92.4
≥ 1500	57.2	82.4	88.2	91.0	93.3	93.9	94.7	95.0	95.0	95.3	95.3	95.3	95.5	95.5	95.5	95.5
≥ 1200	57.3	82.1	89.0	92.6	94.4	95.0	95.9	96.2	96.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	57.5	83.6	89.3	93.3	95.3	96.0	97.1	97.5	97.5	98.0	98.0	98.0	98.0	98.2	98.2	98.2
≥ 900	57.2	83.6	89.3	93.4	95.6	96.3	97.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	57.4	83.3	89.6	93.7	96.1	96.9	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	57.4	83.3	89.6	93.8	96.3	97.0	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	57.4	83.3	89.6	93.8	96.3	97.0	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	57.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	57.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	57.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	57.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	57.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	57.4	83.3	89.6	93.8	96.3	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

STATION 44244 SEATTLE TASS/10/1/66

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	54.6	44.4	49.7	50.1	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
N 18000	43.0	34.1	35.6	30.6	27.8	27.6	27.0	27.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1
N 16000	43.3	34.4	35.3	31.1	28.1	27.2	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
N 14000	43.9	35.2	36.8	30.0	29.0	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
N 12000	45.2	37.6	38.9	30.1	31.1	31.1	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4
N 10000	47.2	39.7	41.7	32.7	34.0	34.1	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4
N 9000	46.1	41.6	42.9	34.3	35.5	35.5	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8
N 8000	46.2	44.4	46.1	47.5	48.7	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
N 7000	53.2	47.6	49.1	71.1	72.2	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
N 6000	54.7	49.4	51.3	72.7	73.9	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
N 5000	55.0	52.2	54.4	73.4	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
N 4500	57.4	73.5	75.3	76.8	77.9	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
N 4000	59.4	76.5	78.4	80.0	81.2	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
N 3500	61.9	84.2	82.1	83.8	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
N 3000	63.7	85.3	85.4	87.2	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
N 2500	64.7	88.0	86.3	90.2	91.7	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
N 2000	65.9	88.1	90.5	92.5	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
N 1800	66.2	88.4	91.2	93.4	95.1	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
N 1500	66.0	90.2	92.4	94.9	96.6	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
N 1200	66.7	90.7	93.4	95.6	97.5	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
N 1000	66.7	90.7	93.4	95.8	97.7	97.9	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
N 900	66.7	90.7	93.4	96.0	98.0	98.2	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
N 800	66.7	90.9	93.6	96.1	98.3	98.6	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 700	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 600	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 500	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 400	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 300	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 200	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 100	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
N 0	66.7	90.9	93.6	96.2	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

17.1

DATA PROCESSING DIVISION
ETAC, USAF
AD-REVIEW, S. C. 20801

CEILING VERSUS VISIBILITY

24244

STATION NAME

49-00

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1810-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	46.2	70.0	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	44.2	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 9000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 8000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 7000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 6000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 5000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 4500	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 4000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 3500	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 3000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 2500	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 2000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 1800	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 1500	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 1200	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 1000	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 900	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 800	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 700	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 600	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 500	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 400	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 300	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 200	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 100	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 0	44.3	72.4	51.0	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON PAC
STATION NAME

40 mi.
YEARS

SEK
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-7-00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≤ 0
NO CEILING ≥ 20000	40.1 42.9	52.2 55.8	53.4 56.8	54.5 58.2	55.3 59.0	55.4 59.2	55.5 59.3	55.6 59.4	55.6 59.4	55.6 59.4	55.6 59.4	55.6 59.4	55.6 59.4	55.6 59.4	55.6 59.4	55.6 59.4
≥ 18000	43.0 43.1	55.9 56.1	57.1 57.3	58.5 58.7	59.3 59.5	59.5 59.7	59.6 59.8	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9
≥ 16000	43.1 43.2	56.1 56.2	57.3 57.4	58.7 58.8	59.5 59.6	59.7 59.8	59.8 59.9	59.9 60.0	59.9 60.0	59.9 60.0	59.9 60.0	59.9 60.0	59.9 60.0	59.9 60.0	59.9 60.0	59.9 60.0
≥ 14000	43.2 43.3	56.2 56.3	57.4 57.5	58.8 58.9	59.6 59.7	59.8 59.9	59.9 60.0	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1
≥ 12000	43.3 43.4	56.3 56.4	57.5 57.6	58.9 59.0	59.7 59.8	59.9 60.0	60.0 60.1	60.1 60.2	60.1 60.2	60.1 60.2	60.1 60.2	60.1 60.2	60.1 60.2	60.1 60.2	60.1 60.2	60.1 60.2
≥ 10000	43.4 43.5	56.4 56.5	57.6 57.7	59.0 59.1	59.8 59.9	60.0 60.1	60.1 60.2	60.2 60.3	60.2 60.3	60.2 60.3	60.2 60.3	60.2 60.3	60.2 60.3	60.2 60.3	60.2 60.3	60.2 60.3
≥ 9000	43.5 43.6	56.5 56.6	57.7 57.8	59.1 59.2	59.9 60.0	60.1 60.2	60.2 60.3	60.3 60.4	60.3 60.4	60.3 60.4	60.3 60.4	60.3 60.4	60.3 60.4	60.3 60.4	60.3 60.4	60.3 60.4
≥ 8000	43.6 43.7	56.6 56.7	57.8 57.9	59.2 59.3	60.0 60.1	60.2 60.3	60.3 60.4	60.4 60.5	60.4 60.5	60.4 60.5	60.4 60.5	60.4 60.5	60.4 60.5	60.4 60.5	60.4 60.5	60.4 60.5
≥ 7000	43.7 43.8	56.7 56.8	57.9 58.0	59.3 59.4	60.1 60.2	60.3 60.4	60.4 60.5	60.5 60.6	60.5 60.6	60.5 60.6	60.5 60.6	60.5 60.6	60.5 60.6	60.5 60.6	60.5 60.6	60.5 60.6
≥ 6000	43.8 43.9	56.8 56.9	58.0 58.1	59.4 59.5	60.2 60.3	60.4 60.5	60.5 60.6	60.6 60.7	60.6 60.7	60.6 60.7	60.6 60.7	60.6 60.7	60.6 60.7	60.6 60.7	60.6 60.7	60.6 60.7
≥ 5000	43.9 44.0	56.9 57.0	58.1 58.2	59.5 59.6	60.3 60.4	60.5 60.6	60.6 60.7	60.7 60.8	60.7 60.8	60.7 60.8	60.7 60.8	60.7 60.8	60.7 60.8	60.7 60.8	60.7 60.8	60.7 60.8
≥ 4500	44.0 44.1	57.0 57.1	58.2 58.3	59.6 59.7	60.4 60.5	60.6 60.7	60.7 60.8	60.8 60.9	60.8 60.9	60.8 60.9	60.8 60.9	60.8 60.9	60.8 60.9	60.8 60.9	60.8 60.9	60.8 60.9
≥ 4000	44.1 44.2	57.1 57.2	58.3 58.4	59.7 59.8	60.5 60.6	60.7 60.8	60.8 60.9	60.9 61.0	60.9 61.0	60.9 61.0	60.9 61.0	60.9 61.0	60.9 61.0	60.9 61.0	60.9 61.0	60.9 61.0
≥ 3500	44.2 44.3	57.2 57.3	58.4 58.5	59.8 59.9	60.6 60.7	60.8 60.9	60.9 61.0	61.0 61.1	61.0 61.1	61.0 61.1	61.0 61.1	61.0 61.1	61.0 61.1	61.0 61.1	61.0 61.1	61.0 61.1
≥ 3000	44.3 44.4	57.3 57.4	58.5 58.6	59.9 60.0	60.7 60.8	60.9 61.0	61.0 61.1	61.1 61.2	61.1 61.2	61.1 61.2	61.1 61.2	61.1 61.2	61.1 61.2	61.1 61.2	61.1 61.2	61.1 61.2
≥ 2500	44.4 44.5	57.4 57.5	58.6 58.7	60.0 60.1	60.8 60.9	61.0 61.1	61.1 61.2	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3	61.2 61.3
≥ 2000	44.5 44.6	57.5 57.6	58.7 58.8	60.1 60.2	60.9 61.0	61.1 61.2	61.2 61.3	61.3 61.4	61.3 61.4	61.3 61.4	61.3 61.4	61.3 61.4	61.3 61.4	61.3 61.4	61.3 61.4	61.3 61.4
≥ 1800	44.6 44.7	57.6 57.7	58.8 58.9	60.2 60.3	61.0 61.1	61.2 61.3	61.3 61.4	61.4 61.5	61.4 61.5	61.4 61.5	61.4 61.5	61.4 61.5	61.4 61.5	61.4 61.5	61.4 61.5	61.4 61.5
≥ 1500	44.7 44.8	57.7 57.8	58.9 59.0	60.3 60.4	61.1 61.2	61.3 61.4	61.4 61.5	61.5 61.6	61.5 61.6	61.5 61.6	61.5 61.6	61.5 61.6	61.5 61.6	61.5 61.6	61.5 61.6	61.5 61.6
≥ 1200	44.8 44.9	57.8 57.9	59.0 59.1	60.4 60.5	61.2 61.3	61.4 61.5	61.5 61.6	61.6 61.7	61.6 61.7	61.6 61.7	61.6 61.7	61.6 61.7	61.6 61.7	61.6 61.7	61.6 61.7	61.6 61.7
≥ 1000	44.9 45.0	57.9 58.0	59.1 59.2	60.5 60.6	61.3 61.4	61.5 61.6	61.6 61.7	61.7 61.8	61.7 61.8	61.7 61.8	61.7 61.8	61.7 61.8	61.7 61.8	61.7 61.8	61.7 61.8	61.7 61.8
≥ 900	45.0 45.1	58.0 58.1	59.2 59.3	60.6 60.7	61.4 61.5	61.6 61.7	61.7 61.8	61.8 61.9	61.8 61.9	61.8 61.9	61.8 61.9	61.8 61.9	61.8 61.9	61.8 61.9	61.8 61.9	61.8 61.9
≥ 800	45.1 45.2	58.1 58.2	59.3 59.4	60.7 60.8	61.5 61.6	61.7 61.8	61.8 61.9	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0	61.9 62.0
≥ 700	45.2 45.3	58.2 58.3	59.4 59.5	60.8 60.9	61.6 61.7	61.8 61.9	61.9 62.0	62.0 62.1	62.0 62.1	62.0 62.1	62.0 62.1	62.0 62.1	62.0 62.1	62.0 62.1	62.0 62.1	62.0 62.1
≥ 600	45.3 45.4	58.3 58.4	59.5 59.6	60.9 61.0	61.7 61.8	61.9 62.0	62.0 62.1	62.1 62.2	62.1 62.2	62.1 62.2	62.1 62.2	62.1 62.2	62.1 62.2	62.1 62.2	62.1 62.2	62.1 62.2
≥ 500	45.4 45.5	58.4 58.5	59.6 59.7	61.0 61.1	61.8 61.9	62.0 62.1	62.1 62.2	62.2 62.3	62.2 62.3	62.2 62.3	62.2 62.3	62.2 62.3	62.2 62.3	62.2 62.3	62.2 62.3	62.2 62.3
≥ 400	45.5 45.6	58.5 58.6	59.7 59.8	61.1 61.2	61.9 62.0	62.1 62.2	62.2 62.3	62.3 62.4	62.3 62.4	62.3 62.4	62.3 62.4	62.3 62.4	62.3 62.4	62.3 62.4	62.3 62.4	62.3 62.4
≥ 300	45.6 45.7	58.6 58.7	59.8 59.9	61.2 61.3	62.0 62.1	62.2 62.3	62.3 62.4	62.4 62.5	62.4 62.5	62.4 62.5	62.4 62.5	62.4 62.5	62.4 62.5	62.4 62.5	62.4 62.5	62.4 62.5
≥ 200	45.7 45.8	58.7 58.8	59.9 60.0	61.3 61.4	62.1 62.2	62.3 62.4	62.4 62.5	62.5 62.6	62.5 62.6	62.5 62.6	62.5 62.6	62.5 62.6	62.5 62.6	62.5 62.6	62.5 62.6	62.5 62.6
≥ 100	45.8 45.9	58.8 58.9	60.0 60.1	61.4 61.5	62.2 62.3	62.4 62.5	62.5 62.6	62.6 62.7	62.6 62.7	62.6 62.7	62.6 62.7	62.6 62.7	62.6 62.7	62.6 62.7	62.6 62.7	62.6 62.7
≥ 0	45.9 46.0	58.9 59.0	60.1 60.2	61.5 61.6	62.3 62.4	62.5 62.6	62.6 62.7	62.7 62.8	62.7 62.8	62.7 62.8	62.7 62.8	62.7 62.8	62.7 62.8	62.7 62.8	62.7 62.8	62.7 62.8

TOTAL NUMBER OF OBSERVATIONS. 17

DATA PROCESSING DIVISION
ETAC, USAF
KEMERVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

242144
STATION

242144
STATION NAME

19-56
YEARS

1-1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼
NO CEILING ≥ 20000	29.3	41.0	42.7	44.3	45.5	45.0	43.1	41.2	40.2	40.4	40.5	40.3	40.0	40.0	40.0
≥ 18000	32.4	44.3	45.4	46.2	49.5	47.8	50.1	50.2	50.3	50.3	50.7	50.3	50.7	50.0	50.8
≥ 16000	32.3	44.3	45.5	46.4	49.6	49.3	50.3	50.4	50.4	50.6	50.7	50.7	50.7	50.7	51.0
≥ 14000	32.0	44.0	45.7	46.4	49.8	49.9	50.4	50.5	50.6	50.8	50.9	50.9	51.2	51.0	51.1
≥ 12000	33.0	45.2	47.3	49.2	50.4	50.6	51.1	51.2	51.3	51.4	51.5	51.3	51.7	51.1	51.8
≥ 10000	33.3	46.2	48.7	50.7	51.3	52.1	52.6	52.8	52.8	52.9	53.1	53.1	53.2	53.5	53.3
≥ 9000	33.3	46.0	50.9	52.1	54.3	54.5	55.0	55.2	55.2	55.4	55.5	55.5	55.6	55.7	55.7
≥ 8000	35.0	46.9	52.2	54.3	55.6	55.8	56.4	56.5	56.5	56.7	56.9	56.9	57.0	57.1	57.1
≥ 7000	35.0	52.2	55.6	57.0	59.2	59.4	59.9	60.1	60.1	60.3	60.4	60.4	60.5	60.6	60.6
≥ 6000	41.0	57.0	59.5	61.7	63.2	63.4	64.0	64.1	64.1	64.3	64.4	64.5	64.6	64.7	64.7
≥ 5000	42.0	59.5	61.6	63.1	65.5	65.7	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 4500	44.2	61.0	63.5	65.5	67.3	67.3	68.1	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000	45.5	63.2	65.8	68.2	69.6	69.9	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	47.4	66.1	68.8	71.2	72.7	73.0	73.6	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	48.3	68.0	71.7	74.3	75.8	75.0	76.7	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	50.4	72.0	75.0	77.7	79.3	79.6	80.3	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	52.5	75.1	78.2	81.1	82.8	83.1	83.9	84.1	84.1	84.3	84.4	84.5	84.6	84.7	84.7
≥ 1800	52.5	76.2	79.4	82.5	84.1	84.4	85.2	85.4	85.4	85.7	85.8	85.9	86.0	86.0	86.1
≥ 1500	53.4	78.4	81.9	85.0	86.8	87.1	88.0	88.2	88.2	88.5	88.6	88.6	88.6	88.6	88.6
≥ 1200	53.7	79.0	83.6	86.9	88.9	89.2	90.1	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	54.1	80.1	84.7	88.2	90.3	90.7	91.7	92.0	92.1	92.4	92.5	92.5	92.5	92.5	92.5
≥ 900	54.1	81.0	85.1	88.7	90.9	91.3	92.5	92.5	92.8	93.2	93.3	93.4	93.5	93.6	93.6
≥ 800	54.2	81.5	85.6	89.3	91.7	92.2	93.4	93.8	93.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 700	54.2	81.4	85.7	89.5	92.0	92.5	93.8	94.2	94.2	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	54.3	81.5	85.8	89.7	92.2	92.6	94.2	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	54.3	81.0	85.9	89.9	92.3	93.1	94.7	95.1	95.2	95.7	95.9	96.0	96.0	96.0	96.0
≥ 400	54.3	81.0	86.0	90.0	92.6	93.3	95.0	95.6	95.6	96.2	96.4	96.5	96.6	96.6	96.6
≥ 300	54.3	81.1	86.0	90.0	92.8	93.5	95.3	95.9	95.9	96.6	96.8	96.9	97.0	97.0	97.0
≥ 200	54.3	81.1	86.0	90.1	92.8	93.5	95.4	96.0	96.0	96.8	97.0	97.1	97.2	97.2	97.2
≥ 100	54.3	81.1	86.0	90.1	92.8	93.5	95.5	96.1	96.1	96.9	97.0	97.1	97.2	97.2	97.2
≥ 0	54.3	81.1	86.0	90.1	92.8	93.5	95.5	96.1	96.1	97.0	97.0	97.1	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 131

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244

STATION WASHINGTON

40-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	16.7	25.2	27.6	30.0	31.3	31.3	32.3	32.0	32.6	33.3	33.0	33.4	33.7	33.7	34.4	33.6
≥ 20000	17.2	26.1	28.7	32.3	33.8	33.7	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 18000	17.9	27.3	29.9	32.3	33.9	34.1	35.7	35.4	35.4	36.1	36.1	36.2	36.7	36.8	36.8	36.8
≥ 16000	17.7	27.3	29.9	32.3	33.9	34.1	35.7	35.2	35.3	36.2	36.1	36.3	36.7	36.7	36.7	36.7
≥ 14000	18.4	27.0	30.4	33.1	34.6	34.7	35.3	36.2	36.2	36.7	37.0	37.0	37.4	37.5	37.7	37.6
≥ 12000	19.9	29.3	32.2	35.0	36.3	36.0	37.7	37.1	38.1	38.8	38.4	38.9	39.3	39.4	39.5	39.3
≥ 10000	21.3	33.3	36.0	38.0	40.6	40.0	41.3	42.2	42.2	42.5	42.0	42.7	42.4	43.5	43.3	43.3
≥ 9000	23.4	34.1	37.1	40.3	42.2	42.4	43.4	43.7	43.8	44.4	44.4	44.5	44.5	45.0	45.2	45.2
≥ 8000	26.9	36.8	41.9	43.3	46.7	46.9	47.8	48.2	48.2	48.9	49.0	49.0	49.4	49.5	49.5	49.0
≥ 7000	27.0	42.3	45.5	46.1	50.3	50.0	51.5	51.2	51.9	52.6	52.7	52.7	53.1	53.2	53.3	53.3
≥ 6000	27.9	44.2	47.5	50.3	52.4	52.7	53.5	54.0	54.0	54.7	54.5	54.5	55.2	55.2	55.4	55.4
≥ 5000	31.7	46.1	51.5	54.7	55.6	56.0	57.8	57.2	58.2	58.0	59.0	58.1	58.4	58.5	58.6	59.0
≥ 4500	33.4	51.6	54.8	58.1	59.8	60.1	61.1	61.5	61.5	62.1	62.1	62.1	62.7	62.6	62.6	62.6
≥ 4000	34.1	53.3	56.9	60.4	62.1	62.3	63.4	63.0	63.8	64.5	64.1	64.6	65.0	65.0	65.2	65.2
≥ 3500	35.1	53.4	59.3	63.0	64.7	65.0	66.0	66.4	66.4	67.1	67.1	67.2	67.6	67.7	67.8	67.8
≥ 3000	37.1	58.2	62.2	66.2	68.0	68.2	69.3	69.7	69.7	70.4	70.5	70.3	70.9	71.0	71.1	71.1
≥ 2500	38.9	61.0	65.9	70.1	72.1	72.4	73.4	73.8	73.8	74.5	74.5	74.0	75.0	75.1	75.2	75.2
≥ 2000	40.5	63.0	69.6	74.0	76.0	76.3	77.3	77.1	77.7	78.4	78.5	78.2	79.0	79.1	79.1	79.1
≥ 1800	41.7	66.0	71.5	75.9	78.1	78.3	79.4	79.8	79.8	80.5	80.6	80.6	81.0	81.1	81.2	81.2
≥ 1500	43.4	70.1	75.2	79.6	81.9	82.1	83.2	83.5	83.6	84.3	84.4	84.4	84.9	85.0	85.0	85.1
≥ 1200	44.2	72.0	77.3	82.0	84.3	84.8	85.7	86.2	86.2	86.9	87.0	87.0	87.5	87.6	87.7	87.7
≥ 1000	44.3	73.0	78.8	83.8	86.4	86.7	87.8	88.2	88.2	89.0	89.1	89.1	89.5	89.7	89.7	89.7
≥ 900	44.4	73.4	79.1	84.2	85.8	87.2	88.2	88.7	88.7	89.4	89.5	89.5	90.0	90.1	90.2	90.2
≥ 800	44.5	73.7	79.6	84.8	87.4	87.8	88.8	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.8	90.8
≥ 700	44.5	74.0	80.3	85.3	88.1	88.3	89.5	90.0	90.0	90.8	90.9	90.9	91.4	91.5	91.5	91.5
≥ 600	44.5	74.0	80.4	85.6	88.3	88.7	89.8	90.3	90.3	91.0	91.0	91.0	91.7	91.7	91.8	91.8
≥ 500	44.5	74.2	80.6	85.8	88.5	89.0	90.2	90.6	90.6	91.4	91.4	91.4	92.0	92.0	92.3	92.3
≥ 400	44.5	74.4	80.8	86.0	88.8	89.3	90.4	91.0	91.0	91.9	92.1	92.0	92.6	92.6	92.9	92.9
≥ 300	44.5	74.4	80.8	86.3	89.2	89.6	90.8	91.5	91.5	92.6	92.6	92.6	93.3	93.3	93.5	93.5
≥ 200	44.5	74.5	80.9	86.3	89.3	89.7	91.3	92.2	92.2	93.0	93.1	93.1	94.0	94.0	94.3	94.3
≥ 100	44.5	74.5	80.9	86.4	89.4	89.8	91.5	92.3	92.3	94.0	94.1	94.1	94.8	94.8	95.0	95.0
≥ 0	44.5	74.5	80.9	86.4	89.4	89.8	91.5	92.3	92.3	94.5	94.5	94.5	95.1	95.1	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION
ETAC, FORM
75HEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME 39-00 YEARS MONTH 0 16 (1-1) 2.10 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	10.0	17.1	18.0	20.1	21.6	21.7	22.7	22.9	22.9	23.5	23.7	23.7	24.3	24.3	24.3	24.9
≥ 18000	11.7	19.0	20.7	22.2	23.9	24.2	25.1	25.4	25.9	26.1	26.1	26.1	26.3	26.0	27.0	27.5
≥ 16000	11.7	19.4	21.0	22.4	24.1	24.4	25.3	25.6	25.6	26.1	26.4	26.4	26.4	27.0	27.3	27.5
≥ 14000	11.9	19.5	21.3	22.5	24.5	24.8	25.7	26.0	26.0	26.5	26.5	26.5	27.4	27.4	27.6	28.0
≥ 12000	13.1	20.9	22.6	24.1	25.9	26.3	27.1	27.4	27.4	28.0	28.2	28.2	28.9	28.9	29.1	29.4
≥ 10000	15.7	24.0	25.9	27.4	29.2	29.5	30.4	30.7	30.7	31.3	31.3	31.3	32.1	32.1	32.4	32.7
≥ 9000	16.3	25.4	27.4	28.9	30.7	31.0	31.9	32.2	32.2	32.2	33.0	33.0	33.6	33.6	33.7	34.2
≥ 8000	19.7	29.0	32.0	33.5	35.3	35.7	36.5	36.8	36.8	37.4	37.4	37.4	38.3	38.3	38.5	38.8
≥ 7000	21.2	32.1	34.3	35.9	37.7	38.0	38.9	39.2	39.2	39.7	39.7	39.7	40.6	40.6	40.7	41.2
≥ 6000	22.1	34.0	36.3	37.9	39.7	40.0	40.9	41.2	41.2	41.8	42.1	42.0	42.7	42.7	42.9	43.3
≥ 5000	24.2	41.3	40.4	42.0	43.8	44.2	45.1	45.4	45.4	45.4	45.6	45.2	45.2	45.8	46.0	46.4
≥ 4500	25.9	41.0	43.7	45.3	47.1	47.4	48.4	48.7	48.7	49.2	49.4	49.4	49.4	50.1	50.4	50.7
≥ 4000	27.5	42.9	45.6	47.4	49.3	49.7	50.7	50.7	50.9	51.5	51.7	51.7	52.4	52.4	52.7	53.0
≥ 3500	29.0	45.0	48.7	51.0	52.9	53.3	54.3	54.6	54.6	55.2	55.4	55.4	56.1	56.1	56.3	56.7
≥ 3000	31.2	49.7	52.7	55.5	57.5	58.0	59.0	59.3	59.3	59.9	60.1	60.1	60.8	60.8	61.1	61.4
≥ 2500	33.1	53.4	56.7	59.6	61.6	62.1	63.1	63.4	63.4	64.0	64.2	64.2	64.9	64.9	65.2	65.5
≥ 2000	35.5	57.8	61.4	64.4	66.6	67.1	68.2	68.2	68.5	69.2	69.4	69.4	70.1	70.1	70.4	70.7
≥ 1800	37.3	60.2	63.8	66.9	69.1	69.6	70.7	71.0	71.0	71.7	72.0	72.0	72.6	72.6	72.9	73.2
≥ 1600	39.4	63.0	67.9	71.1	73.3	73.8	74.9	75.2	75.2	75.9	76.1	76.1	76.8	76.8	77.1	77.4
≥ 1400	40.0	65.9	70.1	73.7	75.9	76.4	77.5	77.8	77.8	78.5	78.8	78.8	79.4	79.4	79.7	80.0
≥ 1200	40.7	67.2	71.9	75.9	78.3	78.8	79.9	80.1	80.1	80.9	81.1	81.1	81.8	81.8	82.0	82.3
≥ 1000	40.7	67.0	72.3	76.4	78.8	79.3	80.5	80.8	80.8	81.5	81.7	81.7	82.4	82.4	82.6	82.9
≥ 900	40.8	68.4	73.2	77.3	79.8	80.3	81.4	81.8	81.8	82.5	82.7	82.7	83.4	83.4	83.6	83.9
≥ 800	40.9	68.0	73.7	77.9	80.4	80.9	82.1	82.4	82.4	83.1	83.4	83.4	84.0	84.0	84.3	84.6
≥ 700	40.9	68.8	73.9	78.1	80.7	81.2	82.4	82.8	82.8	83.5	83.7	83.7	84.4	84.4	84.6	84.9
≥ 600	40.9	68.9	74.2	78.5	81.4	82.0	83.3	83.6	83.6	84.3	84.4	84.4	85.1	85.1	85.3	85.6
≥ 500	40.9	69.1	74.4	78.9	82.0	82.6	84.0	84.4	84.4	85.3	85.7	85.7	86.4	86.4	86.7	87.0
≥ 400	40.9	69.2	74.5	79.3	82.7	83.3	84.8	85.4	85.4	86.1	86.4	86.4	87.1	87.1	87.3	87.6
≥ 300	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.5	86.5	87.1	87.2	87.2	87.9	87.9	88.1	88.4
≥ 200	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.5	86.5	87.1	87.2	87.2	87.9	87.9	88.1	88.4
≥ 100	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.5	86.5	87.1	87.2	87.2	87.9	87.9	88.1	88.4
≥ 0	40.9	69.3	74.7	79.5	83.1	83.8	85.5	86.5	86.5	87.1	87.2	87.2	87.9	87.9	88.1	88.4

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244

STATION NAME

1960

YEARS

107

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.1(1)=0.10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	11.4	12.0	12.9	13.4	13.5	14.0	14.2	14.4	14.6	14.7	14.7	14.7	14.7	14.7	14.7
≥ 20000	9.3	12.7	14.4	15.7	16.3	16.5	17.0	17.2	17.4	17.9	18.0	18.1	18.1	18.1	18.1	18.1
≥ 18000	9.3	13.0	14.5	15.9	16.4	16.6	17.1	17.4	17.5	18.0	18.1	18.1	18.1	18.1	18.1	18.1
≥ 16000	9.3	14.1	14.8	16.1	16.7	16.9	17.4	17.5	17.9	18.0	18.1	18.1	18.1	18.1	18.1	18.1
≥ 14000	9.3	14.7	15.4	16.8	17.4	17.5	18.0	18.3	18.5	19.0	19.1	19.1	19.1	19.1	19.1	19.1
≥ 12000	11.0	16.4	17.0	18.3	19.2	19.4	20.0	20.4	20.9	21.0	21.1	21.1	21.1	21.1	21.1	21.1
≥ 10000	13.2	19.4	20.0	22.2	23.0	23.2	23.9	24.2	24.4	24.9	25.0	25.0	25.0	25.0	25.0	25.0
≥ 9000	14.5	21.3	22.1	24.7	25.5	25.7	26.4	26.7	26.9	27.4	27.5	27.5	27.5	27.5	27.5	27.5
≥ 8000	17.9	25.0	26.0	28.4	29.2	29.4	30.2	30.5	30.9	31.3	31.4	31.4	31.4	31.4	31.4	31.4
≥ 7000	19.2	26.4	27.4	31.2	32.0	32.3	33.1	33.5	33.8	34.2	34.3	34.3	34.3	34.3	34.3	34.3
≥ 6000	20.0	30.1	31.2	33.1	34.0	34.3	35.2	35.5	35.7	36.3	36.4	36.4	36.4	36.4	36.4	36.4
≥ 5000	22.7	32.5	34.0	35.9	37.8	38.0	38.9	39.3	39.5	40.0	40.2	40.2	40.2	40.2	40.2	40.2
≥ 4500	24.7	36.0	37.4	39.3	40.4	40.7	41.6	42.0	42.2	42.8	42.9	42.9	42.9	42.9	42.9	42.9
≥ 4000	25.9	38.2	39.6	41.8	42.9	43.2	44.0	44.4	44.5	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 3500	27.2	41.0	42.0	43.1	43.2	43.2	44.0	44.4	44.5	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 3000	29.2	43.9	45.0	46.2	46.4	46.4	47.4	47.8	47.9	48.6	48.7	48.7	48.7	48.7	48.7	48.7
≥ 2500	31.1	47.4	49.2	52.2	53.5	53.8	54.7	55.2	55.3	56.0	56.1	56.1	56.1	56.1	56.1	56.1
≥ 2000	33.9	52.2	54.2	57.2	58.6	59.0	59.9	60.4	60.6	61.3	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1800	35.5	54.8	56.8	59.8	61.2	61.6	62.5	63.1	63.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 1500	38.0	58.0	60.0	64.0	65.9	66.2	67.2	67.4	67.9	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 1200	39.1	61.2	63.9	67.4	69.4	69.9	70.9	71.0	71.7	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1000	39.5	63.1	66.0	69.8	72.0	72.6	73.6	74.4	74.5	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 900	39.7	63.6	66.5	70.6	72.9	73.5	74.7	75.4	75.6	76.4	76.5	76.5	76.5	76.5	76.5	76.5
≥ 800	39.7	64.2	67.2	71.4	74.0	74.6	76.0	76.7	76.9	77.5	77.6	77.6	77.6	77.6	77.6	77.6
≥ 700	39.8	64.5	67.5	71.7	74.6	75.3	76.8	77.5	77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 600	39.9	64.8	67.7	72.1	75.0	75.7	77.2	77.9	78.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3
≥ 500	39.9	64.7	67.9	72.5	75.6	76.4	78.0	78.3	78.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2
≥ 400	39.9	65.0	68.2	73.0	76.4	77.1	78.9	79.8	79.9	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 300	39.9	65.0	68.2	73.1	76.7	77.6	79.6	80.6	80.8	82.9	83.3	83.3	83.3	83.3	83.3	83.3
≥ 200	39.9	65.1	68.3	73.2	76.9	77.8	79.9	81.1	81.3	83.9	84.6	84.6	84.6	84.6	84.6	84.6
≥ 100	39.9	65.1	68.3	73.2	76.9	77.8	79.9	81.3	81.3	84.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 0	39.9	65.1	68.3	73.2	76.9	77.8	79.9	81.4	81.6	84.3	85.4	85.4	85.4	85.4	85.4	85.4

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

24244
STATION

SLITLY
STATION NAME

1955
YEARS

11
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0360-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	11.5	17.0	18.0	17.5	20.5	20.7	21.3	21.7	21.7	22.0	22.1	22.1	22.5	22.0	22.7	22.9
N 18000	14.7	22.0	23.2	24.7	26.3	26.0	27.3	27.6	27.8	28.1	28.2	28.2	29.0	29.0	29.3	29.5
N 16000	15.1	22.4	23.7	25.3	26.8	26.0	27.4	27.6	28.3	28.5	28.6	28.6	29.4	29.4	29.7	30.0
N 14000	15.7	23.4	24.6	26.3	27.7	26.0	28.7	29.2	29.2	29.5	29.6	29.6	30.4	30.4	30.5	30.9
N 12000	16.2	24.4	27.4	29.3	30.4	31.2	32.0	32.5	32.5	32.6	32.7	32.7	33.7	33.7	34.0	34.3
N 10000	20.4	27.1	30.5	32.5	34.1	34.4	35.3	35.5	35.8	36.1	36.2	36.2	37.0	37.0	37.3	37.5
N 9000	21.2	30.1	31.5	33.5	35.2	35.0	36.5	37.0	37.0	37.3	37.4	37.4	38.2	38.2	38.4	38.7
N 8000	24.0	34.0	35.5	37.6	39.4	39.3	40.8	41.3	41.3	41.6	41.7	41.7	42.5	42.5	42.7	43.0
N 7000	25.5	35.5	38.0	40.2	41.9	42.3	43.4	43.9	43.9	44.2	44.3	44.3	45.1	45.1	45.3	45.6
N 6000	25.5	37.5	39.5	41.5	43.2	43.7	44.8	45.3	45.3	45.5	45.7	45.7	46.4	46.4	46.7	47.0
N 5000	25.5	40.0	42.2	44.3	46.3	46.5	47.8	48.3	48.3	48.6	48.7	48.7	49.5	49.5	49.7	50.1
N 4500	29.7	42.4	44.0	46.5	48.1	48.0	49.7	50.2	50.2	50.4	50.7	50.7	51.5	51.5	51.6	51.9
N 4000	29.7	46.0	47.6	49.5	51.7	52.2	53.5	53.5	53.8	54.1	54.2	54.2	55.0	55.0	55.4	55.6
N 3500	33.8	49.7	51.5	53.9	55.9	56.4	57.6	58.1	58.1	58.3	58.5	58.5	59.3	59.3	59.6	59.9
N 3000	35.4	53.5	55.1	57.6	59.8	60.5	61.5	62.0	62.0	62.2	62.3	62.3	63.7	63.7	63.9	64.7
N 2500	39.3	57.5	59.3	62.6	64.5	65.0	66.2	66.7	66.7	67.0	67.1	67.1	67.9	67.9	68.2	68.5
N 2000	42.6	62.2	64.1	66.2	70.2	70.7	71.9	72.4	72.4	72.8	72.9	72.9	73.7	73.7	74.0	74.5
N 1800	43.3	64.5	66.8	70.2	72.4	72.9	74.1	74.5	74.5	74.6	75.0	75.2	75.2	75.2	76.1	76.5
N 1500	44.6	67.2	69.9	73.6	76.3	76.9	78.2	78.7	78.7	79.1	79.1	79.3	80.1	80.1	80.4	80.8
N 1200	45.2	70.9	72.1	76.5	79.6	80.4	81.8	82.4	82.4	82.8	82.9	82.9	83.6	83.6	84.0	84.4
N 1000	45.4	70.0	73.6	78.4	82.0	82.7	84.3	84.7	84.9	85.3	85.5	85.5	86.3	86.3	86.4	86.7
N 900	45.9	70.0	73.7	78.5	82.3	83.0	84.6	85.3	85.3	85.7	85.7	85.7	86.7	86.7	87.0	87.5
N 800	45.5	70.4	74.3	79.5	83.3	84.1	85.9	86.7	86.7	87.2	87.4	87.4	88.3	88.3	88.6	89.2
N 700	5.5	70.5	74.9	80.5	84.5	85.4	87.4	88.5	88.4	89.0	89.5	89.5	90.2	90.2	90.4	90.7
N 600	5.5	70.6	75.0	80.7	84.8	85.9	88.0	89.0	89.0	89.6	90.0	90.0	91.0	91.0	91.4	91.5
N 500	45.5	70.6	75.3	81.0	85.2	85.5	88.7	89.9	90.0	90.6	91.1	91.1	92.1	92.1	92.4	92.7
N 400	45.5	70.6	75.3	81.3	85.7	86.9	89.5	91.1	91.2	92.2	92.2	92.2	93.5	93.5	94.0	94.4
N 300	45.5	70.6	75.3	81.3	85.8	87.0	89.7	91.5	91.5	92.0	93.1	93.1	94.7	94.7	95.0	95.3
N 200	45.5	70.6	75.3	81.3	85.8	87.0	89.9	91.6	91.9	93.3	93.7	93.9	95.8	95.8	96.3	96.7
N 100	45.5	70.6	75.3	81.3	85.8	87.0	89.9	91.8	91.9	93.4	94.1	94.2	96.3	96.7	97.7	97.7
N 0	45.5	70.6	75.3	81.3	85.8	87.0	89.9	91.5	91.9	93.4	94.5	94.5	96.5	96.9	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

114

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE TASHINGTON I NC
STATION NAME

49-01
YEAR

10
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	23.3	26.8	28.0	28.8	29.8	29.7	30.0	30.0	30.0	30.3	30.7	30.7	30.9	31.0	31.0	31.0
NV 18000	24.9	28.0	28.7	29.2	29.8	29.4	29.5	30.7	30.7	30.0	30.6	30.0	30.9	30.9	30.9	30.9
NV 16000	25.0	28.2	28.9	29.1	29.4	29.6	29.8	31.2	30.9	30.2	30.0	30.0	30.1	30.2	30.2	30.2
NV 14000	25.2	28.0	28.3	28.7	28.0	28.6	28.4	30.2	30.5	30.8	30.7	30.7	30.7	30.8	30.9	30.9
NV 12000	27.0	28.9	27.7	28.9	28.3	28.5	28.7	28.5	28.0	28.2	28.0	28.0	28.0	28.1	28.1	28.1
NV 10000	29.2	28.1	28.6	28.0	28.4	28.0	28.4	28.0	28.0	28.4	28.2	28.2	28.3	28.4	28.4	28.4
NV 9000	32.1	28.4	28.7	28.1	27.6	27.6	28.1	28.3	28.3	28.7	28.5	28.5	28.5	28.6	28.7	28.7
NV 8000	33.3	28.0	28.8	27.4	28.9	29.3	29.4	29.2	29.8	28.1	28.0	28.0	28.0	28.1	28.1	28.1
NV 7000	36.3	27.1	29.5	28.1	28.7	28.1	28.3	28.6	28.6	28.9	28.2	28.2	28.2	28.3	28.3	28.3
NV 6000	27.8	28.2	28.0	28.7	28.5	28.0	28.2	28.5	28.5	28.8	28.7	28.7	28.8	28.9	28.9	28.9
NV 5000	28.8	28.2	28.9	28.7	28.5	28.7	28.2	28.5	28.5	28.8	28.0	28.0	28.0	28.0	28.0	28.0
NV 4500	21.3	28.0	27.3	28.1	28.0	28.4	28.7	28.0	28.0	28.3	28.3	28.3	28.3	28.4	28.4	28.4
NV 4000	42.4	28.3	29.1	28.0	28.0	28.2	28.3	28.3	28.3	28.8	28.2	28.2	28.2	28.2	28.2	28.2
NV 3500	44.4	28.4	28.2	28.0	28.4	28.6	28.7	28.7	28.7	28.9	28.7	28.7	28.7	28.7	28.7	28.7
NV 3000	46.9	28.2	28.4	28.7	28.9	28.0	28.1	28.1	28.1	28.7	28.2	28.2	28.2	28.2	28.2	28.2
NV 2500	49.4	27.2	28.5	28.9	28.4	28.3	28.3	28.0	28.0	28.4	28.2	28.2	28.2	28.2	28.2	28.2
NV 2000	52.1	27.2	28.0	28.7	28.4	28.3	28.3	28.2	28.2	28.6	28.2	28.2	28.2	28.2	28.2	28.2
NV 1800	54.2	27.0	28.0	28.7	28.4	28.3	28.3	28.2	28.2	28.6	28.2	28.2	28.2	28.2	28.2	28.2
NV 1500	54.6	27.0	28.1	28.4	28.6	28.2	28.7	28.1	28.1	28.4	28.3	28.3	28.3	28.3	28.3	28.3
NV 1200	55.4	27.9	28.3	28.6	28.9	28.2	28.9	28.4	28.4	28.7	28.3	28.3	28.3	28.3	28.3	28.3
NV 1000	55.6	27.9	28.4	28.7	28.7	28.4	28.4	28.4	28.4	28.9	28.3	28.3	28.3	28.3	28.3	28.3
NV 900	55.6	28.0	28.9	28.3	28.3	28.3	28.4	28.0	28.0	28.6	28.4	28.4	28.4	28.4	28.4	28.4
NV 800	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 700	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 600	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 500	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 400	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 300	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 200	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 100	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1
NV 0	55.6	28.0	28.2	28.7	28.0	28.9	28.0	28.0	28.0	28.7	28.1	28.1	28.1	28.1	28.1	28.1

TOTAL NUMBER OF OBSERVATIONS 172

DATA PROCESSING DIVISION
ETAC, USAF
ASHBURY, N. C. 27001

CEILING VERSUS VISIBILITY

24244

STATION NAME

1967

YEARS

1967

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	23.7	24.9	31.0	31.7	32.0	32.0	32.1	32.3	32.3	32.4	32.4	32.4	32.8	32.8	32.8	32.8
≥ 20000	25.4	26.2	27.8	28.0	29.0	29.2	29.7	29.9	29.9	30.0	30.0	30.0	30.4	30.4	30.4	30.4
NV 18000	25.5	26.1	28.0	29.0	29.5	29.7	30.2	30.4	30.4	30.5	30.5	30.5	30.9	30.9	30.9	30.9
16000	29.1	27.1	28.5	29.0	29.1	29.2	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
NV 14000	29.2	28.0	29.7	29.2	29.8	29.2	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
12000	29.4	29.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
NV 10000	29.0	29.2	29.4	29.2	29.7	29.4	29.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
9000	29.4	29.2	29.1	29.6	29.4	29.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 8000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
7000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 6000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
5000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 4500	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
4000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 3500	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
3000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 2500	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 1800	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
1500	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 1200	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
1000	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 900	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
800	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 700	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
600	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 500	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
400	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 300	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
200	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
NV 100	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
0	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4

TOTAL NUMBER OF OBSERVATIONS

370

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON FSC

40-00

61

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-0000000000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.7	31.9	33.4	34.9	35.1	39.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	21.7	31.9	33.4	34.9	35.1	39.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000	20.5	30.4	32.2	33.4	34.2	40.4	40.4	40.4	40.4	41.0	41.2	41.2	41.4	41.4	41.4	41.4
≥ 16000	20.5	30.4	32.2	33.4	34.2	40.4	40.4	40.4	40.4	41.0	41.2	41.2	41.4	41.4	41.4	41.4
≥ 14000	27.5	31.0	33.4	34.2	34.7	42.0	42.5	42.7	42.7	42.8	43.1	43.1	43.3	43.3	43.3	43.3
≥ 12000	29.5	30.4	32.3	33.3	34.2	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 10000	32.0	33.3	35.7	37.5	38.6	48.9	49.7	49.7	49.7	49.9	50.1	50.1	50.3	50.3	50.3	50.3
≥ 9000	32.0	33.3	35.7	37.5	38.6	48.9	49.7	49.7	49.7	49.9	50.1	50.1	50.3	50.3	50.3	50.3
≥ 8000	35.0	34.1	35.1	35.1	36.2	36.5	35.7	35.4	35.4	35.6	35.7	35.7	35.7	35.7	35.7	35.7
≥ 7000	35.0	34.1	35.1	35.1	36.2	36.5	35.7	35.4	35.4	35.6	35.7	35.7	35.7	35.7	35.7	35.7
≥ 6000	39.4	34.0	37.3	39.1	39.4	50.7	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 5000	41.0	34.0	36.5	37.2	37.7	52.0	52.9	52.9	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4500	43.0	31.0	34.0	36.5	38.0	58.2	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	44.0	34.0	37.4	39.2	41.8	72.1	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	47.2	38.3	41.5	44.6	46.4	76.0	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	48.4	42.3	45.0	48.6	50.9	81.7	81.8	81.8	81.8	81.9	82.1	82.1	82.4	82.4	82.4	82.4
≥ 2500	49.7	44.9	48.5	52.0	53.9	84.2	85.1	85.2	85.2	85.3	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000	51.1	46.1	50.0	53.8	56.7	88.2	89.2	89.3	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	52.1	49.0	53.8	57.5	59.7	90.0	90.9	91.0	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500	52.7	51.6	56.1	60.1	62.3	92.6	93.5	93.7	93.7	93.9	94.0	94.0	94.4	94.4	94.4	94.4
≥ 1200	53.0	52.9	57.5	61.7	63.9	94.2	95.2	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	53.0	53.2	58.2	62.0	65.0	95.4	96.5	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	53.0	53.6	58.4	62.8	65.2	95.6	96.7	96.9	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	53.1	53.9	58.6	63.0	65.4	95.8	97.0	97.2	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	53.1	54.0	58.7	63.2	65.6	96.1	97.3	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	53.1	54.0	58.8	63.3	65.7	96.3	97.7	97.9	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	53.1	54.0	58.9	63.4	65.9	96.6	98.0	98.3	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	53.1	54.1	58.9	63.5	66.0	96.8	98.3	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	53.1	54.1	58.9	63.5	66.2	96.8	98.5	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	53.1	54.1	58.9	63.5	66.2	96.8	98.5	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	53.1	54.1	58.9	63.5	66.2	96.8	98.5	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	53.1	54.1	58.9	63.5	66.2	96.8	98.5	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 172

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SHUTTLE CREEK

YEARS
1961

MONTH
10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	20.5	30.0	32.5	33.5	35.5	35.7	36.4	35.7	36.7	36.9	37.1	37.2	37.2	37.2	37.2	37.2
N 18000	22.0	32.1	33.2	34.3	35.8	37.0	37.7	37.9	39.9	40.2	40.3	40.3	40.6	40.7	40.7	40.7
N 16000	22.0	33.3	35.3	37.0	38.9	39.1	39.8	40.0	40.0	40.3	40.4	40.4	40.7	40.8	40.8	40.8
N 14000	23.1	34.1	36.2	38.4	40.4	40.5	41.3	41.5	41.5	41.7	41.7	41.7	41.7	42.2	42.2	42.2
N 12000	24.4	36.2	38.3	40.5	42.5	42.5	43.5	43.7	43.7	44.0	44.1	44.1	44.4	44.5	44.5	44.5
N 10000	25.8	37.4	39.5	41.7	43.7	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
N 8000	27.2	38.4	40.5	42.5	44.5	44.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
N 7000	30.3	44.6	47.1	49.6	51.8	52.0	52.7	53.0	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4
N 6000	32.3	47.0	50.3	52.8	55.1	55.3	56.0	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7
N 5000	33.3	50.1	52.7	55.2	57.4	57.6	58.3	58.6	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0
N 4500	35.9	54.0	56.6	59.2	61.5	61.7	62.5	62.7	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1
N 4000	38.1	57.1	60.3	63.0	65.3	65.5	66.2	66.5	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9
N 3500	39.6	60.3	63.2	66.1	68.4	68.6	69.4	69.7	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1
N 3000	41.2	62.1	66.7	69.7	72.1	72.3	73.1	73.4	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8
N 2500	43.4	66.0	71.0	74.1	76.6	76.8	77.7	78.0	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4
N 2000	45.1	72.1	75.3	78.6	81.1	81.4	82.3	82.5	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9
N 1800	46.6	74.7	79.0	81.5	84.1	84.4	85.3	85.3	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7
N 1500	47.7	76.8	80.1	83.8	86.5	86.7	87.6	87.9	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3
N 1200	48.7	79.3	82.8	86.3	89.2	89.4	90.3	90.6	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0
N 1000	49.3	81.0	85.0	89.0	91.7	91.9	92.8	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5
N 900	49.8	81.7	85.9	90.0	92.8	93.0	94.2	94.4	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8
N 800	50.1	82.1	86.3	90.3	93.4	93.6	94.7	95.0	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
N 700	50.2	82.4	86.7	91.2	94.0	94.2	95.3	95.6	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0
N 600	50.2	82.5	86.9	91.6	94.7	94.9	96.1	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7
N 500	50.2	82.6	87.0	91.8	95.0	95.2	96.3	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0
N 400	50.2	82.6	87.0	91.8	95.1	95.3	96.6	96.9	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5
N 300	50.2	82.6	87.0	91.8	95.2	95.4	96.7	97.2	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9
N 200	50.2	82.6	87.0	91.9	95.2	95.4	96.8	97.3	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3
N 100	50.2	82.6	87.0	91.9	95.2	95.4	96.8	97.3	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3
0	50.2	82.6	87.0	91.9	95.2	95.4	96.8	97.3	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

24246
STATION

SEATTLE WASHINGTON
STATION NAME

49
YEARS

11
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	10.7	23.0	23.3	20.5	27.4	27.5	29.0	28.2	28.3	28.0	28.1	27.0	29.1	29.1	27.2	27.3
≥ 20000	10.5	27.2	29.2	30.1	31.8	32.1	32.7	32.1	33.0	33.3	33.3	33.2	33.7	33.7	34.0	34.2
IV 18000	19.0	27.1	29.4	30.7	32.1	32.3	32.4	33.2	33.2	33.5	33.7	33.7	34.1	34.2	34.3	34.4
IV 16000	19.0	28.0	29.7	31.2	32.4	32.8	33.2	33.5	33.5	33.5	34.1	34.1	34.5	34.5	34.5	34.6
IV 14000	20.4	28.4	30.5	32.1	33.6	33.8	34.4	34.7	34.7	35.1	35.3	35.3	35.7	35.7	35.8	35.9
IV 12000	22.1	31.2	32.9	34.7	36.0	36.2	36.7	37.2	37.2	37.6	37.6	37.6	38.1	38.1	38.4	38.5
IV 10000	24.7	34.0	36.4	38.3	39.7	40.0	40.7	41.0	41.1	41.4	41.7	41.7	42.1	42.1	42.2	42.3
IV 9000	25.7	35.0	37.8	39.7	41.2	41.4	42.2	42.3	42.5	42.7	43.1	43.1	43.5	43.5	43.6	43.8
IV 8000	28.7	37.7	42.0	44.0	45.5	45.8	46.6	46.9	47.3	47.3	47.5	47.5	47.9	48.0	48.1	48.2
IV 7000	30.3	40.7	44.9	47.0	48.5	48.9	49.4	50.0	50.0	50.4	50.7	50.7	51.0	51.0	51.1	51.2
IV 6000	31.3	44.0	45.8	47.0	50.6	50.7	51.7	52.0	52.0	52.4	52.6	52.6	53.0	53.1	53.2	53.3
IV 5000	33.7	46.2	50.6	52.7	54.5	54.8	55.6	56.0	56.0	56.4	56.6	56.6	57.0	57.0	57.2	57.3
IV 4500	35.3	50.6	53.5	55.6	57.3	57.6	58.4	58.8	58.8	59.2	59.4	59.4	59.8	59.8	60.0	60.1
IV 4000	37.1	53.6	56.2	58.7	60.4	60.7	61.6	61.9	61.9	62.3	62.5	62.5	62.9	63.0	63.1	63.2
IV 3500	38.4	56.0	58.5	62.2	64.0	64.3	65.2	65.5	65.6	66.0	66.2	66.2	66.6	66.6	66.8	66.9
IV 3000	40.9	60.3	63.3	66.2	68.1	68.4	69.3	69.7	69.7	70.1	70.3	70.3	70.7	70.7	70.9	71.0
IV 2500	43.0	64.0	67.3	70.3	72.4	72.7	73.7	74.0	74.0	74.4	74.6	74.6	75.1	75.1	75.2	75.4
IV 2000	45.0	66.0	71.4	74.9	76.9	77.3	78.3	78.6	78.6	79.1	79.3	79.3	79.7	79.7	79.9	80.0
IV 1800	46.1	69.8	73.4	76.9	78.9	79.3	80.3	80.7	80.7	81.2	81.4	81.4	81.9	81.9	82.0	82.1
IV 1500	47.3	72.3	76.4	80.1	82.4	82.8	83.9	84.2	84.3	84.7	84.9	84.9	85.4	85.4	85.5	85.7
IV 1200	47.9	74.1	78.4	82.4	84.9	85.4	86.5	86.9	86.9	87.4	87.6	87.6	88.1	88.1	88.2	88.4
IV 1000	48.1	75.1	79.7	84.0	86.6	87.1	88.3	88.8	88.8	89.3	89.6	89.6	90.0	90.0	90.1	90.3
IV 900	48.2	75.3	80.0	84.4	87.1	87.6	88.9	89.3	89.4	89.9	90.1	90.1	90.5	90.5	90.7	90.9
IV 800	48.2	75.7	80.4	85.0	87.8	88.3	89.7	90.2	90.2	90.6	91.0	91.0	91.4	91.4	91.6	91.7
IV 700	48.3	75.8	80.7	85.4	88.3	88.9	90.3	90.9	90.9	91.5	91.7	91.7	92.2	92.2	92.3	92.5
IV 600	48.3	75.9	80.8	85.6	88.3	89.1	90.7	91.3	91.3	91.9	92.1	92.1	92.6	92.6	92.7	92.9
IV 500	48.3	76.0	81.0	85.8	88.8	89.5	91.1	91.7	91.3	92.4	92.7	92.7	93.2	93.2	93.4	93.7
IV 400	48.3	76.1	81.1	85.9	89.1	89.8	91.5	92.3	92.3	93.1	93.4	93.4	94.0	94.0	94.1	94.4
IV 300	48.3	76.1	81.1	86.0	89.3	90.0	91.8	92.7	92.8	93.6	94.1	94.1	94.8	94.8	95.0	95.2
IV 200	48.3	76.1	81.1	86.1	89.4	90.1	92.0	93.1	93.1	94.4	94.7	94.8	95.6	95.6	95.9	96.1
IV 100	48.3	76.1	81.1	86.1	89.4	90.1	92.0	93.1	93.2	94.5	95.1	95.1	96.3	96.3	96.9	97.2
IV 0	48.3	76.1	81.1	86.1	89.5	90.1	92.1	93.2	93.2	94.6	95.7	95.7	97.0	97.0	97.8	98.2

TOTAL NUMBER OF OBSERVATIONS 163.4

DATA PROCESSING DIVISION
ETAC, 553F
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON 226
STATION NAME

49-00
YEARS

MONTH

1960-07-00
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	14.1	14.1	20.1	21.4	22.6	22.9	23.7	24.0	24.0	24.7	24.7	24.8	24.9	24.9	25.1	25.2
IV 18000	15.5	20.0	22.0	23.2	24.7	24.9	25.4	26.1	26.1	26.8	26.7	26.7	26.7	26.7	27.3	27.4
IV 16000	15.7	21.0	22.2	23.4	24.9	25.2	26.0	26.4	26.4	27.1	27.2	27.2	27.2	27.4	27.4	27.7
IV 14000	16.6	22.1	23.3	24.5	26.0	26.3	27.1	27.5	27.5	28.3	28.3	28.3	28.3	28.6	28.7	28.9
IV 12000	17.5	23.6	24.7	26.0	27.5	27.8	28.6	29.0	29.0	29.8	29.8	29.8	29.8	30.1	30.2	30.3
IV 10000	20.3	26.3	27.4	28.8	30.3	30.5	31.4	31.8	31.8	32.5	32.6	32.6	32.6	32.8	33.0	33.1
IV 9000	20.7	27.3	28.6	30.1	31.6	31.8	32.5	33.0	33.0	33.8	33.8	33.8	33.8	34.1	34.3	34.4
IV 8000	24.0	31.1	32.5	34.3	35.7	36.0	36.9	37.3	37.3	38.0	38.1	38.1	38.1	38.3	38.5	38.6
IV 7000	26.2	34.3	35.7	37.4	39.0	39.2	40.1	40.5	40.5	41.3	41.3	41.3	41.3	41.6	41.7	41.8
IV 6000	27.5	36.0	38.0	39.9	41.5	41.7	42.6	43.0	43.0	43.8	43.7	43.7	43.7	44.1	44.3	44.4
IV 5000	30.2	39.9	41.4	43.4	44.9	45.2	46.1	46.5	46.5	47.2	47.3	47.3	47.3	47.6	47.8	47.9
IV 4500	31.7	42.2	43.7	45.7	47.3	47.5	48.4	48.8	48.8	49.5	49.5	49.5	49.5	50.0	50.2	50.3
IV 4000	33.0	45.1	46.7	48.8	50.5	50.7	51.6	52.0	52.0	52.8	52.7	52.7	52.7	53.2	53.3	53.4
IV 3500	35.1	49.1	50.9	53.0	54.7	55.1	56.0	56.4	56.4	57.1	57.1	57.1	57.1	57.5	57.7	57.8
IV 3000	38.1	54.3	56.2	58.4	60.3	60.7	61.8	62.2	62.2	62.9	63.0	63.0	63.0	63.3	63.5	63.6
IV 2500	40.5	58.6	61.0	63.5	65.4	65.8	66.9	67.3	67.3	68.0	68.1	68.1	68.1	68.4	68.6	68.7
IV 2000	42.9	63.2	65.9	68.4	70.4	70.8	72.0	72.4	72.4	73.1	73.2	73.2	73.2	73.5	73.7	73.8
IV 1800	44.1	65.0	68.3	71.0	73.0	73.4	74.5	74.9	74.9	75.7	75.7	75.7	75.7	76.1	76.3	76.4
IV 1500	45.2	66.4	71.6	74.3	76.3	76.7	77.9	78.3	78.3	79.0	79.1	79.1	79.1	79.4	79.6	79.7
IV 1200	46.7	71.7	75.1	78.2	80.3	80.7	82.0	82.4	82.4	83.1	83.2	83.2	83.2	83.5	83.7	83.8
IV 1000	47.9	74.2	77.8	81.0	83.2	83.6	84.8	85.2	85.2	86.0	86.1	86.1	86.1	86.4	86.6	86.7
IV 900	47.9	74.7	78.4	81.6	83.9	84.3	85.5	85.9	85.9	86.6	86.7	86.7	86.7	87.0	87.2	87.3
IV 800	48.0	75.2	78.9	82.2	84.4	84.8	86.0	86.5	86.5	87.2	87.3	87.3	87.3	87.6	87.8	87.9
IV 700	48.0	75.7	79.7	83.1	85.3	85.8	87.1	87.5	87.5	88.3	88.3	88.3	88.3	88.7	88.9	89.0
IV 600	48.1	76.1	80.1	83.7	86.1	86.7	87.9	88.4	88.4	89.1	89.2	89.2	89.2	89.5	89.7	89.8
IV 500	48.2	76.4	80.3	84.3	86.9	87.4	88.9	89.3	89.3	90.1	90.1	90.1	90.1	90.5	90.7	90.8
IV 400	48.2	76.5	80.5	84.5	87.4	87.9	89.5	90.1	90.1	90.9	91.0	91.0	91.0	91.4	91.7	91.8
IV 300	48.2	76.6	80.6	84.6	87.9	88.6	90.3	91.0	91.0	91.9	92.1	92.1	92.1	92.7	93.0	93.1
IV 200	48.2	76.8	80.8	85.0	88.1	88.7	90.9	91.7	91.7	92.8	93.1	93.1	93.1	93.9	94.3	94.4
IV 100	48.2	76.9	80.8	85.0	88.2	88.8	91.0	91.7	91.7	93.0	93.3	93.3	93.3	94.9	95.0	95.1
IV 0	48.2	76.8	80.8	85.0	88.2	88.8	91.0	91.7	91.7	93.0	93.3	93.3	93.3	95.1	95.4	95.5

TOTAL NUMBER OF OBSERVATIONS 174

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24246
STATION

SEATTLE WASHINGTON FBO
STATION NAME

49-60
YEARS

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0301-0300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	12.3	13.0	16.7	17.1	19.1	14.4	20.0	20.2	20.2	20.7	20.1	20.1	21.0	21.1	21.3	21.3
18000	13.1	15.0	17.2	16.7	20.3	20.0	21.7	21.4	21.4	21.5	22.1	22.0	22.2	22.3	22.5	22.5
16000	13.3	17.0	15.1	14.1	20.5	20.0	21.4	21.0	21.0	22.1	22.2	22.2	22.5	22.5	22.7	22.7
14000	13.2	17.4	16.4	19.5	20.9	21.1	21.8	22.0	22.0	22.5	22.7	22.5	22.5	22.5	23.0	23.0
12000	14.4	18.4	19.5	20.5	22.0	22.3	23.7	23.2	23.7	23.7	23.7	23.7	23.7	24.1	24.3	24.3
10000	15.6	20.0	21.2	22.2	23.7	24.0	24.7	24.4	24.7	25.4	25.5	25.5	25.5	25.7	26.0	26.0
9000	17.7	22.0	24.1	25.2	26.8	27.1	27.4	28.0	28.0	28.5	28.5	28.5	28.5	28.9	29.1	29.1
8000	18.4	22.0	25.1	26.2	27.9	28.2	28.9	29.0	29.0	29.5	29.5	29.5	29.5	29.9	30.1	30.1
7000	20.5	26.5	27.9	29.0	30.7	31.0	31.7	31.8	31.5	32.4	32.4	32.4	32.4	32.7	32.9	32.9
6000	22.2	29.4	30.7	32.0	33.7	34.1	34.7	34.0	34.8	35.3	35.4	35.4	35.4	35.7	35.9	35.9
5000	23.3	31.5	32.9	34.2	35.9	36.1	36.9	37.1	37.1	37.6	37.6	37.6	37.6	37.9	38.2	38.2
4500	23.4	33.3	33.4	37.8	39.7	40.0	40.7	41.0	41.0	41.6	41.6	41.6	41.6	41.9	42.1	42.1
4000	24.0	36.2	39.6	41.1	43.0	43.1	44.1	44.3	44.3	44.8	44.8	44.8	44.8	45.1	45.4	45.4
3500	26.0	41.0	45.0	44.5	46.4	46.7	47.5	47.6	47.6	48.2	48.2	48.2	48.2	48.6	48.8	48.8
3000	26.2	44.6	46.3	47.7	49.8	50.1	50.9	51.1	51.1	51.7	51.7	51.7	51.7	52.0	52.2	52.2
2500	26.3	50.5	52.3	54.0	55.9	56.2	57.1	57.2	57.2	57.8	57.8	57.8	57.8	58.2	58.4	58.4
2000	26.7	55.5	57.8	59.7	61.7	62.0	62.9	63.0	63.0	63.6	63.6	63.6	63.6	64.0	64.2	64.2
1800	29.0	61.8	64.6	66.6	68.8	69.1	70.2	70.3	70.3	70.9	70.9	70.9	70.9	71.3	71.5	71.5
1500	40.7	65.5	66.4	68.3	70.7	71.0	72.1	72.2	72.2	72.6	72.6	72.6	72.6	73.2	73.4	73.4
1200	43.1	67.5	70.7	72.9	75.3	75.7	76.8	77.0	77.0	77.6	77.6	77.6	77.6	78.0	78.2	78.2
1000	43.3	69.0	73.3	75.8	78.3	78.7	80.0	80.2	80.2	80.7	80.7	80.7	80.7	81.2	81.4	81.4
900	44.7	72.5	76.0	78.7	81.3	81.8	83.1	83.3	83.3	83.9	83.9	83.9	83.9	84.6	84.8	84.8
800	46.9	73.0	76.8	79.6	82.3	82.8	84.1	84.3	84.3	84.9	84.9	84.9	84.9	85.3	85.6	85.6
700	45.0	73.0	77.0	80.5	83.3	83.9	85.2	85.3	85.3	85.9	85.9	85.9	85.9	86.4	86.7	86.7
600	45.0	73.9	78.3	81.1	84.0	84.5	85.9	86.1	86.1	86.7	86.7	86.7	86.7	87.2	87.5	87.5
500	45.0	74.1	78.0	81.5	84.4	84.9	86.3	86.6	86.6	87.2	87.2	87.2	87.2	87.8	88.0	88.0
400	45.0	74.5	78.9	81.8	84.8	85.3	86.7	87.1	87.1	87.8	87.8	87.8	87.8	88.4	88.7	88.7
300	45.0	74.5	79.1	82.1	85.1	85.7	87.4	87.8	87.8	88.5	88.5	88.5	88.5	89.2	89.5	89.5
200	45.0	74.7	79.4	82.4	85.7	86.5	88.5	89.0	89.3	89.8	89.8	89.8	89.8	90.1	90.7	90.7
100	45.0	74.7	79.5	82.6	86.0	86.8	89.1	89.5	89.5	90.5	90.5	90.5	90.5	91.0	91.0	91.0
0	45.0	74.7	79.5	82.6	86.0	86.8	89.1	89.7	89.7	90.7	91.2	91.2	91.2	91.5	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
KSNV, NV
LAS VEGAS, NV

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME LAS VEGAS, NV YEARS 1950-1959 MONTH 01-12-50 HOURS (LST) 0000-2359

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	13.1	15.5	15.9	10.3	16.6	16.7	17.0	17.1	17.1	17.5	17.5	17.7	17.8	17.8	17.8	17.9
≥ 20000	14.1	17.2	17.5	10.2	18.6	18.7	19.1	19.3	19.3	19.5	19.5	19.7	19.7	20.0	20.0	20.1
NV 18000	14.0	17.2	18.0	10.4	18.6	19.0	19.3	19.5	19.5	19.9	20.1	20.1	20.2	20.2	20.2	20.3
NV 16000	13.2	17.7	18.4	10.9	19.2	19.4	19.7	19.9	19.9	20.2	20.3	20.3	20.6	20.6	20.6	20.7
NV 14000	13.1	19.1	19.7	20.1	20.4	20.5	20.9	21.1	21.1	21.5	21.5	21.5	22.0	22.0	22.0	22.0
NV 12000	17.1	21.1	21.7	22.1	22.5	22.7	23.0	23.2	23.2	23.6	24.5	24.5	24.5	24.5	24.5	24.2
NV 10000	19.7	24.4	24.3	24.0	25.2	25.3	25.8	26.0	26.0	26.4	26.7	26.8	26.8	26.9	26.9	27.0
NV 9000	20.4	24.4	25.2	25.3	26.3	26.3	26.5	27.0	27.0	27.4	27.8	27.8	27.8	27.9	27.9	28.0
NV 8000	23.0	27.7	28.5	29.1	29.5	29.5	30.1	30.3	30.3	30.7	31.0	31.1	31.2	31.2	31.2	31.3
NV 7000	25.0	31.4	32.2	33.0	33.4	33.6	34.1	34.4	34.4	34.4	35.2	35.2	35.3	35.3	35.3	35.4
NV 6000	27.2	33.4	34.3	35.1	35.6	35.6	36.4	36.6	36.6	37.0	37.0	37.0	37.5	37.5	37.5	37.6
NV 5000	30.5	36.0	37.1	38.2	39.2	39.4	40.1	40.2	40.2	40.2	41.0	41.0	41.1	41.1	41.1	41.2
NV 4500	32.0	39.9	41.0	42.1	42.7	42.7	43.6	43.7	43.7	44.1	44.2	44.2	44.7	44.7	44.7	44.7
NV 4000	34.3	43.0	44.3	45.4	46.1	46.3	47.0	47.1	47.1	47.5	47.9	47.9	48.0	48.0	48.0	48.1
NV 3500	35.9	47.1	48.4	49.7	50.3	50.5	51.1	51.4	51.4	51.4	52.7	52.7	52.4	52.4	52.4	52.4
NV 3000	37.7	50.6	52.1	53.6	54.4	54.7	55.4	55.0	55.0	56.0	56.3	56.4	56.5	56.5	56.5	56.6
NV 2500	40.2	52.2	56.9	58.7	59.5	59.8	60.5	60.6	60.6	61.0	61.4	61.4	61.0	61.0	61.0	61.0
NV 2000	42.4	50.3	62.2	64.4	65.3	65.6	66.3	66.5	66.5	66.9	67.2	67.3	67.4	67.4	67.4	67.5
NV 1800	42.7	52.0	64.0	66.0	67.6	68.1	68.9	69.1	69.1	69.5	69.9	69.9	70.1	70.1	70.1	70.1
NV 1500	46.0	60.4	68.9	71.4	72.4	72.7	73.6	73.7	73.7	74.5	74.7	74.7	74.8	74.8	74.8	74.9
NV 1200	47.0	69.9	72.5	75.4	76.3	76.8	77.6	77.8	77.8	78.4	78.8	78.9	79.0	79.0	79.0	79.0
NV 1000	48.0	71.4	74.4	77.3	78.7	79.0	80.0	80.2	80.2	80.8	81.2	81.3	81.4	81.4	81.4	81.4
NV 900	46.1	71.0	74.9	78.0	79.6	79.9	81.0	81.2	81.2	81.8	82.2	82.2	82.5	82.5	82.5	82.5
NV 800	48.4	72.5	75.7	79.1	80.9	81.3	82.4	82.7	82.7	83.3	83.7	83.7	83.9	83.9	83.9	83.9
NV 700	48.5	73.2	76.7	80.4	82.4	82.8	84.0	84.3	84.3	84.9	85.3	85.3	85.5	85.5	85.5	85.5
NV 600	48.6	73.7	77.3	81.3	83.3	83.7	85.2	85.5	85.5	86.1	86.6	86.6	86.8	86.8	86.8	86.8
NV 500	48.7	73.9	77.6	81.8	84.1	84.6	86.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
NV 400	48.7	73.9	77.6	82.0	84.3	84.6	86.7	87.1	87.1	87.9	88.4	88.4	88.7	88.7	88.7	88.7
NV 300	48.7	74.1	78.0	82.5	85.1	85.7	87.7	88.4	88.4	89.4	89.9	89.9	90.3	90.3	90.3	90.3
NV 200	48.7	74.1	78.1	82.7	85.3	86.0	88.0	88.9	88.9	90.0	90.4	90.4	91.7	91.7	91.7	91.7
NV 100	48.7	74.1	78.1	82.7	85.3	86.0	88.0	88.9	88.9	90.2	91.0	91.0	92.4	92.4	92.4	92.4
NV 0	48.7	74.1	78.1	82.7	85.3	86.0	88.0	88.9	88.9	90.3	91.1	91.1	92.8	92.8	92.8	92.8

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON 196

47-1

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(750-1100)
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	14.0	10.4	17.0	17.4	17.8	17.6	17.9	18.3	18.0	18.2	18.2	18.2	18.4	18.4	18.4	18.5
18000	17.5	20.1	20.0	21.4	21.7	21.7	22.0	22.3	22.0	22.4	22.5	22.5	22.7	22.7	22.7	22.9
16000	17.0	20.0	21.2	21.5	22.3	22.5	22.5	22.6	23.0	23.2	23.2	23.2	23.3	23.3	23.4	23.5
14000	17.1	21.0	22.2	22.3	23.3	23.3	23.6	23.6	23.6	24.1	24.2	24.2	24.4	24.4	24.4	24.5
12000	20.2	23.4	24.2	24.3	25.4	25.4	25.7	25.7	25.7	26.2	26.3	26.3	26.5	26.5	26.5	26.7
10000	22.5	26.0	27.0	27.0	28.4	28.4	28.7	28.7	28.7	29.2	29.3	29.3	29.5	29.5	29.5	29.7
9000	23.5	27.3	28.3	29.2	29.8	29.9	30.2	30.2	30.2	30.7	30.7	30.7	31.0	31.0	31.0	31.1
8000	26.1	31.1	32.2	33.2	33.9	34.0	34.3	34.4	34.4	34.8	34.8	34.8	35.1	35.1	35.1	35.3
7000	29.4	34.9	36.2	37.1	37.9	38.0	38.4	38.5	38.5	39.0	39.1	39.1	39.3	39.3	39.3	39.4
6000	30.5	36.6	38.0	39.0	39.9	39.9	40.4	40.5	40.5	41.0	41.1	41.1	41.3	41.3	41.3	41.4
5000	32.3	39.9	41.6	42.9	43.6	43.7	44.1	44.1	44.1	44.6	44.6	44.6	44.9	44.9	44.9	45.2
4500	35.4	42.0	44.8	45.9	47.0	47.1	47.5	47.7	47.7	48.2	48.3	48.3	48.4	48.4	48.4	48.6
4000	37.3	45.2	47.4	48.7	49.9	50.0	50.5	50.6	50.7	51.2	51.3	51.3	51.5	51.5	51.5	51.7
3500	39.5	48.1	51.2	52.5	53.9	54.0	54.5	54.8	54.8	55.2	55.3	55.3	55.5	55.5	55.5	55.7
3000	41.7	53.0	55.8	57.5	58.9	59.0	59.7	59.9	59.9	60.4	60.5	60.5	60.7	60.7	60.7	60.9
2500	44.1	57.4	60.7	62.7	64.3	64.5	65.4	65.6	65.6	66.1	66.3	66.3	66.5	66.5	66.5	66.7
2000	47.5	62.8	66.5	68.9	70.7	71.0	72.0	72.2	72.2	72.8	72.9	72.9	73.1	73.1	73.1	73.3
1800	48.7	64.7	68.6	71.0	73.1	73.4	74.4	74.6	74.6	75.2	75.3	75.3	75.5	75.5	75.5	75.7
1500	50.5	66.9	73.2	75.8	78.0	78.4	79.5	79.7	79.7	80.3	80.3	80.3	80.6	80.6	80.6	80.9
1200	51.4	71.4	76.1	78.9	81.2	81.7	83.0	83.2	83.2	83.9	84.0	84.0	84.2	84.2	84.2	84.4
1000	51.5	72.4	77.4	80.5	82.8	83.4	84.8	85.1	85.1	85.7	85.9	85.9	86.1	86.1	86.1	86.3
900	51.6	73.1	78.5	81.4	83.8	84.4	85.9	86.3	86.3	87.0	87.2	87.2	87.4	87.4	87.4	87.5
800	51.7	73.4	78.7	82.1	84.7	85.3	87.0	87.3	87.3	88.2	88.4	88.4	88.6	88.6	88.6	88.7
700	51.7	73.0	79.4	83.0	85.9	86.6	88.4	89.0	89.0	89.7	89.9	89.9	90.1	90.1	90.1	90.2
600	51.7	74.0	79.7	83.7	87.0	87.8	89.7	90.3	90.3	91.2	91.4	91.4	91.6	91.6	91.6	91.7
500	51.7	74.1	79.8	84.0	87.6	88.4	90.5	91.3	91.3	92.2	92.4	92.4	92.6	92.6	92.6	92.7
400	51.7	74.1	79.8	84.0	87.8	88.8	91.0	91.3	91.3	92.6	93.0	93.0	93.3	93.3	93.3	93.4
300	51.7	74.1	79.9	84.0	87.9	88.8	91.7	92.9	92.9	94.0	94.4	94.4	94.8	94.8	94.8	95.1
200	51.7	74.1	79.9	84.1	87.9	88.8	91.7	92.9	92.9	94.3	94.5	94.5	95.4	95.4	95.4	95.7
100	51.7	74.1	79.9	84.1	87.9	88.8	91.7	92.9	92.9	94.6	95.1	95.1	95.2	95.2	95.2	95.7
0	51.7	74.1	79.9	84.1	87.9	88.8	91.7	92.9	92.9	94.6	95.1	95.1	95.4	95.4	95.4	95.8

TOTAL NUMBER OF OBSERVATIONS

17.

DATA PROCESSING DIVISION
ETAC, USAF
AMBLVILLE, TEXAS 75611

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SEATTLE TACAN

YEARS
1960

MONTH

1960

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1960
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 1/5	≥ ¼	≥ 0
NO CEILING	11.9	19.1	20.1	20.1	21.6	21.6	22.7	22.7	22.4	22.5	22.1	22.1	22.4	22.0	22.1	22.3
≥ 20000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 18000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 16000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 14000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 12000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 10000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 9000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 8000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 7000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 6000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 5000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 4500	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 4000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 3500	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 3000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 2500	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 2000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 1800	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 1500	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 1200	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 1000	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 900	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 800	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 700	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 600	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 500	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 400	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 300	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 200	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 100	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 0	21.3	24.4	25.3	25.3	27.2	27.2	28.0	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28901

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
SHELBY COUNTY

DATE
4-2-64

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	17.5	20.0	21.2	22.0	23.3	23.4	24.1	24.1	24.1	24.4	24.5	24.5	24.5	24.5	24.5	24.5
≥ 20000	23.4	20.0	27.5	26.5	30.1	30.1	30.9	31.1	31.1	31.7	31.0	31.1	31.3	31.7	31.9	31.9
≥ 18000	23.0	26.1	27.6	26.7	30.3	30.4	31.7	31.5	31.4	32.0	32.1	32.1	32.1	32.4	32.7	32.2
≥ 16000	24.0	27.4	28.3	29.4	31.0	31.1	31.0	31.0	32.1	32.7	32.3	32.4	32.3	32.7	32.1	32.7
≥ 14000	25.3	28.7	29.5	30.7	32.5	32.0	33.4	33.5	33.0	34.2	34.3	34.3	34.3	34.4	34.4	34.4
≥ 12000	25.7	28.1	31.9	34.0	34.8	34.7	35.7	35.3	35.0	36.0	36.7	36.7	36.7	36.8	36.7	36.8
≥ 10000	29.1	32.4	33.6	35.2	37.1	37.2	38.1	41.3	39.4	39.1	39.1	39.1	39.1	39.4	39.7	39.2
≥ 9000	29.2	34.0	35.3	36.8	38.7	38.9	39.4	39.9	40.1	40.7	40.7	40.7	40.8	40.7	40.9	40.3
≥ 8000	32.7	38.0	40.0	41.0	43.6	43.0	44.7	44.7	45.0	45.6	45.6	45.6	45.6	45.6	45.6	45.8
≥ 7000	34.7	41.5	43.2	45.0	47.1	47.3	48.3	48.3	48.5	49.3	49.4	49.4	49.4	49.4	49.4	49.4
≥ 6000	35.7	43.4	45.4	47.2	49.3	49.5	50.5	50.7	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.6
≥ 5000	38.0	47.5	49.4	51.4	53.7	53.9	54.9	55.1	55.2	55.9	56.0	56.0	56.0	56.0	56.1	56.1
≥ 4500	40.0	50.7	53.0	55.2	57.5	57.7	58.7	59.0	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.9
≥ 4000	42.4	53.0	57.4	59.3	62.3	62.5	63.6	63.8	63.9	64.3	64.7	64.7	64.7	64.7	64.8	64.8
≥ 3500	44.0	56.7	61.5	64.0	66.6	66.6	68.0	68.3	68.4	69.0	69.1	69.1	69.2	69.3	69.3	69.3
≥ 3000	47.3	63.4	66.7	69.5	72.0	72.2	73.4	73.7	73.9	74.5	74.5	74.5	74.7	74.7	74.7	74.7
≥ 2500	48.7	66.6	70.1	73.2	76.0	76.3	77.6	77.9	78.0	78.7	78.8	78.8	79.0	79.0	79.0	79.0
≥ 2000	50.2	70.4	74.6	78.1	81.0	81.4	82.6	82.9	83.0	83.7	83.9	83.9	84.0	84.1	84.1	84.1
≥ 1800	50.0	71.0	75.9	79.5	82.6	83.0	84.5	84.8	84.9	85.6	85.7	85.7	85.9	85.9	85.9	85.9
≥ 1600	50.9	73.3	76.3	82.3	85.6	86.1	87.8	88.0	88.2	89.0	89.1	89.1	89.4	89.3	89.3	89.3
≥ 1400	51.4	74.9	80.5	83.1	88.6	89.1	91.0	91.3	91.4	92.3	92.4	92.4	92.6	92.6	92.6	92.6
≥ 1200	51.5	75.0	81.6	86.9	90.6	91.1	93.1	93.6	93.7	94.6	94.7	94.7	94.9	94.9	94.9	94.9
≥ 1000	51.0	75.9	81.8	87.4	91.1	91.8	93.8	94.3	94.4	95.3	95.6	95.6	95.9	95.0	95.0	95.0
≥ 900	51.0	76.0	82.0	87.6	91.6	92.4	94.5	95.0	95.1	96.0	96.1	96.1	96.3	96.4	96.4	96.4
≥ 800	51.0	76.1	82.3	88.0	92.1	92.9	95.2	95.7	95.9	96.6	96.9	96.9	97.1	97.1	97.1	97.1
≥ 700	51.7	76.3	82.5	88.2	92.4	93.2	95.6	95.3	96.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	51.7	76.4	82.6	88.4	92.7	93.5	96.0	96.7	96.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	51.7	76.4	82.6	88.4	92.7	93.5	96.3	97.2	97.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	51.7	76.5	82.7	88.5	92.8	93.6	96.3	97.2	97.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	51.7	76.5	82.7	88.5	92.8	93.6	96.4	97.3	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	51.7	76.5	82.7	88.5	92.8	93.6	96.4	97.3	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	51.7	76.5	82.7	88.5	92.8	93.6	96.4	97.3	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
0	51.7	76.5	82.7	88.5	92.8	93.6	96.4	97.3	97.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 170

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 2244
STATION NAME
STATION NAME

19-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-00-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	14.2	72.0	23.9	24.7	25.7	25.9	26.8	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 20000	21.1	20.2	21.5	20.4	29.4	29.7	30.7	30.8	30.7	31.4	31.4	31.4	31.4	31.5	31.5	31.5
≥ 18000	21.1	20.3	27.5	28.4	29.5	29.5	30.7	31.0	31.0	31.4	31.4	31.4	31.5	31.5	31.5	31.5
≥ 16000	21.2	20.0	27.9	24.3	29.9	30.2	31.2	31.4	31.4	31.9	31.9	31.9	32.0	32.0	32.0	32.0
≥ 14000	22.2	21.4	28.8	29.7	30.7	31.1	32.1	32.3	32.3	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 12000	23.4	29.4	31.0	31.9	33.2	33.0	34.6	34.9	34.9	35.3	35.3	35.3	35.4	35.5	35.5	35.5
≥ 10000	23.5	32.1	34.0	35.1	36.6	37.0	37.9	38.2	38.2	38.7	38.7	38.7	38.7	38.7	38.8	38.8
≥ 9000	25.7	33.4	35.5	36.6	38.3	38.7	39.7	40.0	40.0	40.5	40.5	40.5	40.5	40.5	40.6	40.6
≥ 8000	26.3	34.0	40.1	41.1	43.0	43.4	44.4	44.7	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3
≥ 7000	31.5	40.4	42.5	43.6	45.9	45.9	46.8	47.1	47.1	47.6	47.6	47.6	47.6	47.6	47.7	47.7
≥ 6000	33.4	42.8	45.0	46.2	48.2	48.0	49.5	49.8	49.8	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 5000	35.2	47.0	49.9	51.3	53.3	53.7	54.7	55.7	56.2	56.4	56.4	56.4	56.4	56.5	56.5	56.5
≥ 4500	37.3	50.9	53.1	54.4	56.4	56.8	57.8	58.1	58.1	58.6	58.6	58.6	58.6	58.7	58.7	58.7
≥ 4000	40.7	54.7	57.1	58.6	60.7	61.1	62.1	62.4	62.4	62.8	62.8	62.8	62.8	62.9	62.9	62.9
≥ 3500	43.4	58.0	62.4	64.0	66.3	66.7	67.7	68.0	68.0	68.4	68.4	68.4	68.4	68.5	68.5	68.5
≥ 3000	45.3	63.5	66.5	68.3	70.6	71.1	72.1	72.4	72.4	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 2500	47.1	70.6	70.9	72.5	75.2	75.7	76.8	77.1	77.1	77.6	77.6	77.6	77.6	77.7	77.7	77.7
≥ 2000	53.5	72.1	76.1	78.0	80.6	81.1	82.2	82.5	82.5	83.0	83.0	83.0	83.0	83.1	83.2	83.2
≥ 1800	54.9	73.3	77.6	79.6	82.4	82.9	83.9	84.3	84.3	84.8	84.8	84.8	84.8	84.8	84.9	84.9
≥ 1500	51.0	73.7	80.0	82.8	85.7	86.2	87.3	87.6	87.7	88.2	88.2	88.2	88.2	88.3	88.4	88.4
≥ 1200	51.0	77.5	82.6	85.0	88.0	88.6	89.8	90.3	90.3	90.9	90.9	90.9	90.9	91.0	91.0	91.1
≥ 1000	51.7	78.5	83.7	86.3	89.6	90.4	91.7	92.2	92.2	92.8	92.8	92.8	92.8	92.9	92.9	93.0
≥ 900	51.5	78.9	84.4	87.2	90.3	91.3	92.6	93.0	93.1	93.6	93.6	93.6	93.6	93.7	93.7	93.7
≥ 800	51.5	79.3	84.8	87.8	91.1	91.9	93.3	93.8	93.9	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 700	52.0	79.7	85.2	88.4	92.0	92.9	94.3	94.8	94.8	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥ 600	52.0	79.8	85.6	89.1	92.6	93.5	95.0	95.5	95.5	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 500	52.0	79.9	85.7	89.3	92.9	93.9	95.6	96.0	96.1	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 400	52.0	79.9	85.8	89.5	93.2	94.3	96.0	96.5	96.5	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 300	52.0	80.1	86.0	89.8	93.4	94.5	96.3	96.8	96.8	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 200	52.0	80.1	86.0	89.8	93.4	94.5	96.3	97.0	97.0	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 100	52.0	80.1	86.0	89.8	93.4	94.5	96.4	97.0	97.1	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 0	52.0	80.1	86.0	89.8	93.4	94.5	96.4	97.0	97.1	97.9	97.9	97.9	97.9	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 17.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE WASHINGTON TLE
STATION NAME

49-00
NORTH

W-785
EAST

4100-23-10
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	16.4	20.0	21.6	22.3	23.4	23.5	24.1	24.3	24.3	25.0	25.3	25.3	25.3	25.3	25.3	25.3
≥ 20000	17.9	24.3	24.3	25.2	26.3	26.4	27.1	27.2	27.3	28.2	28.3	28.3	28.3	28.3	28.3	28.3
NV 18000	18.0	23.4	24.4	25.2	26.4	26.5	27.1	27.5	27.4	28.2	28.7	28.6	28.6	28.6	28.6	28.6
NV 16000	18.2	23.0	24.7	25.3	26.7	26.8	27.4	27.5	27.6	28.5	28.9	28.9	28.9	28.9	28.9	28.9
NV 14000	18.9	24.4	25.3	26.4	27.5	27.6	28.3	28.5	28.6	29.4	29.9	29.8	29.8	29.8	29.8	29.8
NV 12000	18.1	20.3	27.4	28.3	29.4	29.5	30.2	30.2	30.3	31.3	31.7	31.7	31.7	31.7	31.7	31.7
NV 10000	22.4	29.0	30.2	31.3	32.6	32.8	33.4	33.6	33.7	34.5	34.9	34.9	34.9	34.9	34.9	34.9
NV 9000	23.3	30.3	31.5	32.6	34.2	34.3	35.0	35.2	35.3	36.2	36.5	36.5	36.5	36.5	36.5	36.5
NV 8000	24.3	34.1	35.4	36.5	38.2	38.3	39.0	39.3	39.3	40.2	40.5	40.6	40.6	40.6	40.6	40.6
NV 7000	27.4	36.7	38.0	39.2	40.7	40.9	41.6	41.8	41.9	42.8	43.2	43.2	43.2	43.2	43.2	43.2
NV 6000	29.0	39.4	40.7	42.0	43.5	43.6	44.3	44.6	44.7	45.5	45.9	45.9	45.9	45.9	45.9	45.9
NV 5000	27.8	44.0	45.3	46.7	48.3	48.4	49.1	49.4	49.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7
NV 4500	34.3	46.7	48.3	49.8	51.3	51.5	52.2	52.5	52.6	53.4	53.7	53.7	53.7	53.7	53.7	53.7
NV 4000	36.4	49.3	51.7	53.2	54.7	54.9	55.6	55.9	56.0	56.8	57.2	57.2	57.2	57.2	57.2	57.2
NV 3500	39.4	53.3	57.5	59.3	60.9	61.0	61.8	62.1	62.1	62.9	63.4	63.4	63.4	63.4	63.4	63.4
NV 3000	43.0	61.3	63.6	65.3	67.0	67.2	68.0	68.3	68.3	69.2	69.6	69.6	69.6	69.6	69.6	69.6
NV 2500	43.0	60.0	68.5	70.3	72.2	72.4	73.3	73.6	73.6	74.5	74.9	74.9	74.9	74.9	74.9	74.9
NV 2000	47.4	69.6	72.9	75.1	76.8	77.0	77.9	78.2	78.2	79.1	79.5	79.5	79.5	79.5	79.5	79.5
NV 1800	48.2	71.3	74.7	77.0	78.7	78.9	79.8	80.1	80.1	81.0	81.4	81.4	81.4	81.4	81.4	81.4
NV 1500	49.4	74.7	78.2	80.5	82.5	82.7	83.6	83.9	84.0	84.8	85.2	85.2	85.2	85.2	85.2	85.2
NV 1200	50.3	76.4	80.0	82.6	84.5	84.7	85.7	86.0	86.0	86.9	87.3	87.3	87.3	87.3	87.3	87.3
NV 1000	50.7	77.7	81.7	84.3	86.6	86.8	87.8	88.1	88.2	89.1	89.5	89.5	89.5	89.5	89.5	89.5
NV 900	50.7	78.0	82.1	85.2	87.3	87.5	88.5	88.9	88.9	89.9	90.3	90.3	90.3	90.3	90.3	90.3
NV 800	50.9	78.3	82.6	85.7	87.9	88.2	89.2	89.6	89.7	90.6	91.0	91.0	91.0	91.0	91.0	91.0
NV 700	51.0	78.8	83.0	86.3	88.5	88.7	89.8	90.2	90.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7
NV 600	51.0	79.0	83.4	86.4	89.1	89.3	90.4	90.9	90.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4
NV 500	51.1	79.4	83.8	87.4	89.7	90.0	91.4	91.8	91.9	93.0	93.4	93.4	93.4	93.4	93.4	93.4
NV 400	51.1	79.7	84.1	88.0	90.5	90.7	92.4	92.9	92.9	94.1	94.5	94.5	94.5	94.5	94.5	94.5
NV 300	51.1	79.7	84.1	88.2	90.7	91.0	92.9	93.3	93.6	94.8	95.3	95.3	95.3	95.3	95.3	95.3
NV 200	51.1	79.7	84.1	88.2	90.7	91.0	92.9	93.3	93.6	95.3	95.7	95.7	95.7	95.7	95.7	95.7
NV 100	51.1	79.7	84.1	88.2	90.7	91.0	92.9	93.3	93.6	95.4	95.8	95.8	95.8	95.8	95.8	95.8
NV 0	51.2	79.7	84.2	88.2	90.7	91.1	92.9	93.6	93.7	95.5	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 27001

CEILING VERSUS VISIBILITY

24244 SEATTLE WASHINGTON 3-6

1970

YEARS

ALL

MONTH

ALL
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	15.1	10.1	10.0	20.3	21.3	21.4	22.0	22.1	22.1	22.3	22.4	22.4	22.4	22.4	22.3	22.1
≥ 20000	14.0	21.9	22.9	23.7	24.8	25.0	25.6	25.9	25.9	26.3	26.5	26.5	26.5	26.5	26.7	26.7
≥ 18000	14.1	22.0	23.0	23.9	24.9	25.1	25.8	26.0	26.0	26.3	26.5	26.5	26.5	26.5	26.5	26.9
≥ 16000	14.4	22.4	23.4	24.4	25.3	25.5	26.1	26.3	26.4	26.7	27.1	27.0	27.2	27.2	27.2	27.3
≥ 14000	13.4	23.2	24.3	25.4	26.5	26.6	27.3	27.5	27.5	28.1	28.2	28.2	28.3	28.3	28.4	28.5
≥ 12000	20.9	22.4	26.3	27.4	28.6	28.8	29.5	29.7	29.7	30.3	30.4	30.4	30.6	30.6	30.6	30.7
≥ 10000	23.0	26.0	29.2	30.3	31.6	31.6	32.5	32.7	32.7	33.3	33.4	33.4	33.4	33.5	33.5	33.7
≥ 9000	23.9	27.2	30.6	31.7	33.0	33.2	33.7	34.2	34.2	34.3	34.5	34.5	34.9	35.1	35.1	35.2
≥ 8000	26.8	32.7	34.3	35.3	36.9	37.1	37.8	38.1	38.1	38.7	38.8	38.8	39.0	39.0	39.0	39.1
≥ 7000	28.9	36.0	37.5	38.8	40.3	40.5	41.3	41.6	41.6	42.2	42.3	42.3	42.4	42.4	42.5	42.5
≥ 6000	30.4	38.4	39.7	41.1	42.6	42.8	43.5	43.7	43.7	44.3	44.3	44.3	44.4	44.4	44.4	44.9
≥ 5000	32.0	42.0	43.0	43.1	46.7	46.7	47.7	48.0	48.0	48.6	48.6	48.6	48.7	48.7	48.9	49.0
≥ 4500	35.0	44.9	46.7	46.2	49.8	50.1	50.9	51.2	51.2	51.7	51.7	51.7	51.9	52.1	52.1	52.2
≥ 4000	36.9	45.2	50.1	51.7	53.4	53.7	54.5	54.5	54.8	55.4	55.4	55.4	55.6	55.7	55.7	55.8
≥ 3500	39.0	52.3	54.4	56.2	58.0	58.2	59.1	59.4	59.4	60.0	60.0	60.2	60.3	60.3	60.4	60.4
≥ 3000	41.1	56.9	59.4	61.3	63.2	63.4	64.4	64.7	64.7	65.2	65.2	65.2	65.6	65.6	65.7	65.7
≥ 2500	44.1	61.3	64.1	66.3	68.3	68.6	69.7	70.0	70.0	70.6	70.6	70.7	70.7	70.7	71.0	71.0
≥ 2000	46.5	66.4	69.5	72.0	74.1	74.4	75.5	75.8	75.8	76.4	76.4	76.6	76.6	76.8	76.8	76.8
≥ 1800	47.9	68.0	71.5	74.0	76.2	76.6	77.7	78.0	78.1	78.7	78.7	78.8	78.8	79.0	79.1	79.1
≥ 1500	48.3	71.1	75.0	77.7	80.1	80.5	81.7	82.0	82.0	82.7	82.7	82.8	82.7	83.0	83.1	83.1
≥ 1200	49.7	73.4	77.6	80.6	83.1	83.5	84.9	85.2	85.2	85.9	85.9	86.1	86.1	86.3	86.3	86.4
≥ 1000	50.1	74.0	79.3	82.7	85.3	85.8	87.2	87.6	87.6	88.3	88.3	88.5	88.5	88.7	88.7	88.8
≥ 900	50.1	75.2	79.8	83.4	86.1	86.6	88.1	88.3	88.3	89.2	89.4	89.4	89.4	89.6	89.7	89.7
≥ 800	50.2	75.6	80.3	84.0	86.9	87.4	88.4	89.4	89.4	90.1	90.3	90.3	90.3	90.5	90.5	90.5
≥ 700	50.3	76.0	80.9	84.7	87.8	88.3	89.9	90.4	90.4	91.2	91.4	91.4	91.4	91.5	91.7	91.7
≥ 600	50.3	76.2	81.2	85.3	88.4	88.4	90.7	91.3	91.3	92.1	92.3	92.3	92.3	92.5	92.5	92.5
≥ 500	50.3	76.4	81.4	85.6	88.9	89.6	91.4	92.0	92.0	92.8	93.1	93.1	93.3	93.3	93.4	93.4
≥ 400	50.3	76.5	81.5	85.8	89.2	89.9	91.9	92.6	92.6	93.5	93.7	93.7	93.7	94.1	94.1	94.1
≥ 300	50.4	76.6	81.7	86.0	89.5	90.3	92.4	93.3	93.3	94.3	94.4	94.4	94.6	94.6	94.6	94.6
≥ 200	50.4	76.6	81.7	86.1	89.6	90.4	92.7	93.3	93.3	94.7	95.1	95.1	95.1	95.1	95.1	95.1
≥ 100	50.4	76.6	81.7	86.1	89.6	90.4	92.7	93.3	93.3	94.8	95.3	95.3	95.4	95.4	95.4	95.4
≥ 0	50.4	76.6	81.7	86.1	89.6	90.4	92.7	93.3	93.3	94.9	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
AGREVILLE, G. C. 29801

CEILING VERSUS VISIBILITY

24264
STATION

SEATTLE TAC/INGLIS F-6
STATION NAME

1955
YEARS

YEARS

11
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	11.2	14.0	15.4	12.7	16.4	10.5	16.9	17.1	17.1	17.2	17.7	17.7	17.2	17.2	17.2	17.4
≥ 20000	11.0	17.0	17.5	10.1	15.7	10.4	15.4	19.2	19.3	19.5	19.1	19.1	19.1	19.7	19.7	17.9
NV 18000	13.2	17.2	18.1	16.5	19.1	19.3	19.7	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.2	20.4
NV 16000	13.1	16.1	16.7	19.2	19.7	19.9	20.4	20.5	20.6	20.7	20.7	20.7	20.7	20.7	20.7	21.0
NV 14000	13.1	16.6	19.2	19.7	20.3	20.5	21.0	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.4	21.5
NV 12000	14.1	19.4	20.2	20.7	21.2	21.4	21.9	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.3	22.3
NV 10000	15.0	21.0	22.5	23.0	23.7	23.9	24.3	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	25.1
NV 9000	17.1	23.1	24.1	24.3	25.3	25.3	26.1	26.3	26.3	26.4	26.4	26.4	26.4	26.5	26.5	26.7
NV 8000	19.1	26.0	27.0	27.3	28.2	28.3	29.0	29.2	29.2	29.3	29.3	29.3	29.4	29.4	29.4	29.5
NV 7000	21.7	28.4	30.0	30.2	31.1	31.4	32.0	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.6
NV 6000	23.2	31.1	32.5	33.3	34.0	34.2	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.4
NV 5000	24.0	32.0	33.2	33.8	34.4	34.7	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.7	35.8
NV 4500	25.2	34.1	35.2	35.7	36.3	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9
NV 4000	26.2	36.2	37.3	37.8	38.3	38.3	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9
NV 3500	27.4	38.3	39.4	39.8	40.3	40.3	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.9
NV 3000	28.4	40.3	41.4	41.8	42.3	42.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9
NV 2500	29.2	42.0	43.1	43.5	44.0	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6
NV 2000	30.2	43.1	44.2	44.6	45.1	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7
NV 1800	31.2	44.2	45.3	45.7	46.2	46.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8
NV 1500	32.2	45.3	46.4	46.8	47.3	47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9
NV 1200	33.2	46.4	47.5	47.9	48.4	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0
NV 1000	34.2	47.5	48.6	49.0	49.5	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1
NV 900	35.2	48.6	49.7	50.1	50.6	50.6	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2
NV 800	36.2	49.7	50.8	51.2	51.7	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3
NV 700	37.2	50.8	51.9	52.3	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4
NV 600	38.2	51.9	53.0	53.4	53.9	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5
NV 500	39.2	53.0	54.1	54.5	55.0	55.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6
NV 400	40.2	54.1	55.2	55.6	56.1	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
NV 300	41.2	55.2	56.3	56.7	57.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
NV 200	42.2	56.3	57.4	57.8	58.3	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9
NV 100	43.2	57.4	58.5	58.9	59.4	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0
0	44.2	58.5	59.6	60.0	60.5	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC, USAF
DOWNEY, N. C. 28001

CEILING VERSUS VISIBILITY

STATION 24244 STATION NAME SLATER AIRFIELD

1963

TEARS

166

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.1	14.3	15.0	15.9	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.7
≥ 20000	12.1	16.1	17.7	17.0	17.2	18.2	18.4	17.4	18.4	18.5	18.5	18.5	18.5	18.5	18.7	18.7
≥ 18000	12.5	16.5	17.1	18.0	18.6	18.6	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.1	19.1
≥ 16000	12.7	16.7	17.4	18.2	18.9	18.9	19.0	19.1	19.0	19.1	19.1	19.1	19.1	19.1	19.4	19.4
≥ 14000	12.9	17.0	17.6	18.5	19.1	19.1	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.8	19.8
≥ 12000	13.5	17.2	18.2	19.4	20.0	20.0	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.4	20.7	20.9
≥ 10000	14.5	19.2	20.1	21.0	21.6	21.7	22.0	22.1	22.1	22.1	22.1	22.2	22.2	22.4	22.4	22.4
≥ 9000	15.6	20.6	20.3	21.7	22.4	22.4	22.7	22.7	22.7	22.9	22.9	22.9	22.9	22.9	23.1	23.1
≥ 8000	17.9	23.7	24.5	25.5	26.1	26.2	27.4	26.6	26.6	26.6	26.6	26.6	26.6	26.7	27.0	27.0
≥ 7000	17.2	26.4	27.0	28.0	28.7	28.8	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.7	29.7
≥ 6000	20.9	29.0	29.7	30.8	31.4	31.6	31.9	32.0	32.0	32.0	32.0	32.1	32.1	32.1	32.3	32.3
≥ 5000	23.3	32.1	33.4	34.5	35.2	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	36.0	36.0
≥ 4500	25.0	36.2	36.9	38.1	38.8	38.9	39.3	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.7	39.7
≥ 4000	27.3	37.4	40.3	41.5	42.2	42.3	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	43.0	43.0
≥ 3500	29.0	43.8	44.8	46.1	46.8	47.0	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.7	47.7
≥ 3000	31.2	49.7	51.1	52.4	53.2	53.3	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	54.2	54.2
≥ 2500	35.5	55.4	57.2	58.7	59.5	59.7	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.6	60.6
≥ 2000	38.1	62.6	65.2	66.7	67.5	67.7	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.6	68.6
≥ 1800	40.1	68.1	68.1	69.7	70.6	70.9	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.9	71.9
≥ 1500	43.0	71.4	74.0	76.1	77.1	77.3	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.4	78.4
≥ 1200	46.9	75.9	79.1	81.3	82.3	82.5	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.7	83.7
≥ 1000	45.5	77.1	81.1	83.6	84.9	85.2	85.9	86.0	86.0	86.0	86.0	86.1	86.2	86.2	86.4	86.4
≥ 900	45.9	78.6	82.1	84.8	86.2	86.4	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.6	87.6
≥ 800	44.1	79.4	83.0	85.9	87.3	87.6	88.4	88.5	88.5	88.6	88.7	88.7	88.7	88.7	89.0	89.0
≥ 700	46.5	79.8	83.4	86.3	87.8	88.1	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.5	89.5
≥ 600	45.5	80.6	84.4	87.5	89.0	89.3	90.2	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.8	90.8
≥ 500	46.6	80.9	84.9	88.2	89.7	90.1	91.0	91.1	91.1	91.2	91.3	91.4	91.4	91.4	91.7	91.7
≥ 400	46.5	81.0	85.4	88.6	90.7	91.1	92.1	92.2	92.2	92.3	92.4	92.5	92.5	92.5	92.8	92.8
≥ 300	46.6	81.4	85.9	89.4	91.6	92.0	93.2	93.3	93.3	93.4	93.5	93.6	93.6	93.6	94.0	94.0
≥ 200	46.6	81.5	86.0	89.5	91.8	92.2	93.4	93.5	93.5	93.5	94.0	94.2	94.3	94.3	94.9	94.9
≥ 100	46.6	81.5	86.0	89.5	91.8	92.3	93.5	93.7	93.7	94.3	94.5	94.6	94.6	94.6	95.2	95.2
≥ 0	45.5	81.5	86.0	89.5	91.8	92.3	93.5	93.7	93.7	94.3	94.5	94.6	94.6	94.6	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 171

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE Washington, D. C.
STATION NAME

49-00-00
YEARS

207
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-00-00-00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	11.4	12.0	13.2	13.7	14.2	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.0
≥ 20000	12.1	12.7	13.3	13.9	14.4	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.7
18000	12.2	13.0	13.4	13.9	14.4	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.7
16000	12.3	13.1	13.5	14.0	14.5	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	13.7
14000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
12000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
10000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
9000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
8000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
7000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
6000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
5000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
4500	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
4000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
3500	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
3000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
2500	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
2000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
1800	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
1500	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
1200	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
1000	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
900	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
800	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
700	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
600	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
500	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
400	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
300	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
200	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
100	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4
0	12.3	13.0	13.0	13.5	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.4

TOTAL NUMBER OF OBSERVATIONS

17

DATA PROCESSING DIVISION
ETAC, USAF
KANSAS CITY, MO. 64111

CEILING VERSUS VISIBILITY

STATION
24244

STATION NAME
NEWELL TOWER

YEARS
1954-1955

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS
(1954-1955)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	10.0	11.0	12.0	12.4	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7
18000 16000	14.1	15.0	16.8	17.3	17.7	17.7	17.7	17.8	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0
14000 12000	16.4	17.1	17.3	17.8	18.2	18.2	18.2	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4
10000 9000	17.3	18.4	18.4	18.9	19.3	19.3	19.3	19.3	19.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5
8000 7000	18.2	22.0	23.2	23.7	24.1	24.1	24.2	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4
6000 5000	19.8	24.8	24.7	24.7	25.2	25.2	25.2	25.3	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6
4500 4000	23.1	27.3	27.7	28.2	28.8	28.8	28.8	28.8	28.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2
3500 3000	24.4	27.1	29.0	30.2	30.8	30.8	30.8	30.9	30.9	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2500 2000	26.0	31.2	31.7	32.3	33.0	33.0	33.1	33.1	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4
1800 1500	27.3	34.7	35.4	36.2	36.8	36.8	36.8	36.9	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3
1200 1000	30.7	37.7	38.6	39.3	40.2	40.5	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
900 800	33.5	36.3	43.2	44.1	44.3	44.3	43.0	43.0	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4
700 600	35.5	40.0	47.0	48.0	48.8	48.9	49.0	49.0	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4
500 400	38.4	50.6	51.9	52.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
300 200	40.4	55.0	56.5	57.7	58.9	58.9	59.1	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5
100 0	43.7	51.1	62.9	64.5	65.8	65.9	66.1	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6
	44.8	63.4	65.4	67.1	68.5	68.8	69.1	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6
	47.8	49.3	71.8	74.2	76.2	76.5	76.9	77.0	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5
	48.8	72.4	73.4	78.2	80.5	80.8	81.3	81.4	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9
	49.2	75.1	78.6	81.8	84.5	85.2	85.9	86.0	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	49.3	75.0	79.3	82.8	85.3	86.4	87.0	87.2	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9
	49.0	76.5	80.6	84.2	86.9	87.9	88.7	89.0	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8
	49.0	76.0	80.8	84.2	87.5	88.4	89.3	89.6	89.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5
	49.7	77.0	81.3	85.3	88.4	89.5	90.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	49.7	77.2	81.5	85.8	89.2	90.2	91.7	92.0	92.1	93.0	93.2	93.2	93.2	93.2	93.2	93.2
	49.7	77.2	81.5	86.1	89.6	90.9	92.4	92.8	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	49.8	77.3	81.7	86.4	89.9	91.2	92.8	93.3	93.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1
	49.8	77.3	81.7	86.4	90.0	91.4	93.0	93.8	93.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4
	49.8	77.3	81.7	86.4	90.1	91.5	93.2	93.9	94.0	95.1	95.6	95.6	95.6	95.6	95.6	95.6
	49.8	77.3	81.7	86.4	90.1	91.5	93.2	93.9	94.0	95.1	95.6	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 1774

DATA PROCESSING DIVISION
ETAC USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 24244 SEATTLE WASHINGTON FAX

49-50

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12(11)-14(10)
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	12.4 17.2	13.0 19.2	14.3 19.7	14.7 20.2	14.8 20.4	14.8 20.4	14.9 20.4	14.9 20.7	14.9 20.7	15.0 20.9	15.0 20.9	15.0 21.0	15.0 21.0	15.0 21.0	15.0 21.0	15.0 21.0
≥ 18000	17.3	19.5	20.0	20.3	20.7	20.7	20.8	20.9	20.9	21.2	21.2	21.2	21.3	21.3	21.3	21.3
≥ 16000	17.7	19.9	20.4	20.9	21.1	21.1	21.3	21.4	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 14000	18.9	21.3	21.7	22.2	22.5	22.5	22.6	22.7	22.7	23.0	23.0	23.0	23.1	23.1	23.1	23.1
≥ 12000	23.2	24.4	24.9	25.1	25.1	25.3	25.3	25.5	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 10000	27.9	27.1	27.9	27.9	27.9	28.2	28.2	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 9000	29.3	27.6	28.4	28.9	29.2	29.2	29.5	29.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 8000	27.9	32.0	33.1	33.5	33.5	33.9	34.2	34.4	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 7000	29.3	33.0	34.4	35.4	35.7	35.8	36.1	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 6000	31.2	35.2	36.5	37.2	37.5	37.5	37.7	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 5000	32.5	36.6	38.9	40.7	41.0	41.1	41.4	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 4500	35.0	41.9	43.1	44.0	44.4	44.5	44.8	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4000	37.3	45.5	47.0	47.9	48.4	48.4	48.7	48.9	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 3500	39.9	49.0	50.3	51.6	52.0	52.1	52.5	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 3000	42.2	53.6	55.2	56.4	56.9	57.0	57.5	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 2500	46.0	59.4	61.3	63.0	63.6	63.7	64.2	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 2000	49.8	66.7	69.3	71.4	72.0	72.3	72.8	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1800	51.2	69.4	72.3	74.3	75.3	75.5	76.0	76.3	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	52.6	73.0	77.0	79.6	80.7	81.0	81.9	82.2	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	53.2	76.2	80.2	83.3	84.7	85.1	86.1	86.3	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	53.8	78.2	82.6	86.1	87.8	88.3	89.3	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900	53.8	78.4	83.0	86.7	88.8	89.3	90.6	90.9	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	53.8	78.8	83.4	87.2	89.4	89.9	91.2	91.5	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 700	53.8	78.9	83.5	87.5	89.9	90.4	91.9	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	53.8	79.3	84.3	88.5	90.8	91.4	93.3	93.6	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	53.8	79.4	84.4	88.9	91.4	92.0	94.4	95.0	95.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	53.8	79.4	84.5	89.2	91.8	92.5	95.0	95.3	95.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	53.8	79.4	84.5	89.2	92.0	92.7	95.3	96.1	96.1	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	53.8	79.7	84.7	89.5	92.2	92.9	95.7	96.4	96.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	53.8	79.7	84.7	89.5	92.3	93.0	95.8	96.5	96.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	53.8	79.7	84.7	89.5	92.3	93.0	95.8	96.5	96.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 17

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24244
STATION

SEATTLE TASHINGTON FAL
STATION NAME

9-60
YEARS

12
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	12.1	13.9	14.1	14.3	14.4	14.5	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
≥ 18000	12.4	14.1	14.3	14.5	14.6	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
≥ 16000	12.7	14.4	14.6	14.8	14.9	15.0	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
≥ 14000	13.0	14.7	14.9	15.1	15.2	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
≥ 12000	13.3	15.0	15.2	15.4	15.5	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
≥ 10000	13.6	15.3	15.5	15.7	15.8	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 9000	13.9	15.6	15.8	16.0	16.1	16.2	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
≥ 8000	14.2	15.9	16.1	16.3	16.4	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
≥ 7000	14.5	16.2	16.4	16.6	16.7	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
≥ 6000	14.8	16.5	16.7	16.9	17.0	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
≥ 5000	15.1	16.8	17.0	17.2	17.3	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
≥ 4500	15.4	17.1	17.3	17.5	17.6	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
≥ 4000	15.7	17.4	17.6	17.8	17.9	18.0	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
≥ 3500	16.0	17.7	17.9	18.1	18.2	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
≥ 3000	16.3	18.0	18.2	18.4	18.5	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 2500	16.6	18.3	18.5	18.7	18.8	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
≥ 2000	16.9	18.6	18.8	19.0	19.1	19.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
≥ 1800	17.2	18.9	19.1	19.3	19.4	19.5	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
≥ 1500	17.5	19.2	19.4	19.6	19.7	19.8	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
≥ 1200	17.8	19.5	19.7	19.9	20.0	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
≥ 1000	18.1	19.8	20.0	20.2	20.3	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
≥ 900	18.4	20.1	20.3	20.5	20.6	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 800	18.7	20.4	20.6	20.8	20.9	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 700	19.0	20.7	20.9	21.1	21.2	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 600	19.3	21.0	21.2	21.4	21.5	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 500	19.6	21.3	21.5	21.7	21.8	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 400	19.9	21.6	21.8	22.0	22.1	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 300	20.2	21.9	22.1	22.3	22.4	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 200	20.5	22.2	22.4	22.6	22.7	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 100	20.8	22.5	22.7	22.9	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 0	21.1	22.8	23.0	23.2	23.3	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5

TOTAL NUMBER OF OBSERVATIONS

1777

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

44244 STATION SEATTLE WASHINGTON, W. 19-03

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1:00-2:00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.8	10.3	10.7	17.1	17.3	17.3	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 20000	10.4	19.2	19.7	20.2	20.6	20.9	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.4	21.4
≥ 18000	10.6	19.2	19.8	20.3	20.7	20.9	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5	21.5
≥ 16000	10.6	19.7	20.3	20.8	21.2	21.4	21.7	21.7	21.7	22.0	22.0	22.0	22.0	22.1	22.1	22.1
≥ 14000	17.2	20.3	20.9	21.4	21.9	22.1	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 12000	18.8	22.6	23.2	23.7	24.2	24.4	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 10000	22.4	26.0	27.2	27.9	28.3	28.5	28.9	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 9000	23.2	27.4	28.5	29.1	29.6	29.9	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 8000	25.0	31.3	32.0	32.7	33.3	33.5	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 7000	29.0	35.2	36.0	36.7	37.3	37.5	38.1	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 6000	37.3	41.3	42.2	42.8	43.4	43.7	44.2	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 5000	42.3	46.0	47.7	48.3	48.9	49.1	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 4500	44.9	48.5	50.4	50.9	51.4	51.6	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 4000	46.9	50.6	52.6	53.1	53.6	53.8	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 3500	49.3	53.1	55.2	55.7	56.2	56.4	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3000	52.1	56.0	58.2	58.7	59.2	59.4	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 2500	55.3	59.4	61.7	62.2	62.7	62.9	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 2000	58.8	63.1	65.5	66.0	66.5	66.7	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 1800	62.0	66.5	69.0	69.5	69.9	70.1	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 1500	65.3	70.0	72.6	73.1	73.5	73.7	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1200	68.7	73.5	76.2	76.7	77.1	77.3	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1000	72.1	77.0	79.8	80.3	80.7	80.9	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 900	75.5	80.5	83.4	83.9	84.3	84.5	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 800	78.9	84.0	87.0	87.5	87.9	88.1	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 700	82.3	87.5	90.6	91.1	91.5	91.7	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	85.7	91.0	94.2	94.7	95.1	95.3	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	89.1	94.5	97.8	98.3	98.7	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	92.5	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1725

DATA PROCESSING DIVISION
ETAC, Ltd.
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

4244
STATION

SEATTLE
STATION NAME

40
YEARS

MONTH

2000
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	17.1	15.0	15.7	10.1	16.5	16.0	16.0	17.0	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.2
≥ 20000	14.2	10.0	10.7	19.4	20.0	20.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
≥ 18000	14.5	10.2	19.0	19.5	20.2	20.3	20.7	20.3	20.6	20.8	20.7	20.3	20.9	20.5	21.0	21.0
≥ 16000	15.1	10.2	19.3	19.5	20.5	20.6	21.4	21.1	21.1	21.1	21.1	21.1	21.2	21.3	21.3	21.3
≥ 14000	15.6	19.4	20.2	20.5	21.4	21.5	21.9	22.3	22.0	22.0	22.0	22.0	22.1	22.1	22.2	22.2
≥ 12000	17.0	21.2	22.0	22.6	23.3	23.4	23.9	23.7	23.7	24.0	24.0	24.0	24.0	24.1	24.2	24.2
≥ 10000	18.3	23.0	23.9	24.5	25.3	25.4	25.9	25.9	26.0	26.0	26.0	26.0	26.1	26.2	26.2	26.2
≥ 9000	19.1	23.9	24.6	25.4	26.2	26.3	26.7	26.9	26.9	26.9	26.9	26.9	26.9	27.0	27.1	27.1
≥ 8000	21.3	27.2	28.4	29.1	30.1	30.2	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 7000	23.4	30.9	31.7	32.7	33.7	33.8	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 6000	25.4	33.3	34.4	35.2	36.2	36.3	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.1	37.1	37.1
≥ 5000	29.2	36.0	37.1	40.0	41.0	41.1	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9
≥ 4500	32.2	42.3	43.6	44.4	45.4	45.5	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.3	46.4	46.4
≥ 4000	34.3	46.2	47.3	48.5	49.4	49.5	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 3500	36.3	49.9	51.3	52.4	53.4	53.6	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.5
≥ 3000	40.0	53.4	56.9	58.2	59.4	59.5	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.5	60.5
≥ 2500	42.3	61.3	62.8	64.2	65.4	65.6	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.7	66.7
≥ 2000	46.7	66.7	70.3	71.6	73.1	73.3	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.3	74.4	74.4
≥ 1800	48.4	71.6	73.2	74.8	76.1	76.3	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.5	77.5
≥ 1500	53.1	75.6	77.9	79.7	81.5	81.7	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.9	82.9
≥ 1200	51.3	80.0	82.4	84.3	86.1	86.4	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.6	87.6
≥ 1000	52.3	82.2	84.9	87.2	89.3	89.5	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.8	90.8
≥ 900	52.9	84.0	85.4	87.7	89.8	90.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 800	52.3	83.1	86.0	88.4	90.5	90.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.2	92.2
≥ 700	52.9	83.4	86.4	88.9	91.2	91.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.8
≥ 600	52.9	83.8	87.0	89.6	91.9	92.2	93.3	93.4	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8
≥ 500	52.9	84.1	87.5	90.1	92.5	92.8	94.0	94.1	94.1	94.3	94.4	94.4	94.4	94.5	94.5	94.5
≥ 400	52.9	84.1	87.8	90.6	92.9	93.3	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.9	94.9	94.9
≥ 300	52.9	84.3	87.9	90.9	93.1	93.5	94.8	94.9	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3
≥ 200	52.9	84.3	88.0	90.7	93.3	93.7	95.1	95.2	95.2	95.6	95.7	95.7	95.7	95.8	95.8	95.8
≥ 100	52.9	84.3	88.0	90.7	93.3	93.7	95.1	95.2	95.2	95.7	95.7	95.7	95.7	95.8	95.8	95.8
≥ 0	52.9	84.3	88.0	90.7	93.3	93.7	95.1	95.2	95.2	95.7	95.7	95.7	95.7	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 1711

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

STATION 24246 SEATTLE Washington 1966

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	11.7	14.1	14.5	15.0	15.3	15.4	15.6	15.7	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9
≥ 20000	14.4	17.4	17.8	18.3	18.7	18.9	19.2	19.2	19.2	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 18000	14.9	17.6	18.1	18.7	19.1	19.2	19.3	19.3	19.3	19.7	19.7	19.7	19.7	19.7	19.7	19.7
IV 16000	14.7	16.0	16.5	17.0	17.5	17.6	17.7	17.7	17.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 14000	15.3	16.6	17.3	17.9	18.4	18.5	18.5	18.5	18.5	20.9	20.9	20.9	20.9	21.0	21.0	21.0
IV 12000	16.9	20.6	21.2	21.8	22.2	22.3	22.3	22.3	22.3	22.7	22.7	22.7	22.7	22.7	22.7	22.7
IV 10000	19.2	23.3	23.9	24.5	25.0	25.1	25.3	25.3	25.3	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 9000	20.0	24.4	25.1	25.7	26.2	26.3	26.7	26.7	26.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0
IV 8000	21.3	26.1	26.9	27.5	28.1	28.2	28.7	28.7	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.0
IV 7000	24.9	30.8	31.6	32.3	32.9	33.0	33.4	33.4	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IV 6000	26.2	33.0	33.9	34.5	35.2	35.4	35.7	35.7	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0
IV 5000	28.6	36.4	37.3	38.1	38.8	38.9	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 4500	31.2	40.1	41.2	42.0	42.7	42.8	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 4000	33.4	43.7	44.9	45.8	46.5	46.6	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 3500	35.6	47.8	49.1	50.1	50.9	51.1	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 3000	37.3	51.0	52.5	53.5	54.4	54.6	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 2500	41.4	56.0	57.6	58.8	59.6	60.0	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 2000	45.0	60.7	62.4	63.7	64.6	65.0	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1800	47.6	64.2	66.0	67.3	68.3	68.7	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 1500	48.3	73.2	75.9	76.1	79.4	79.7	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1200	49.8	76.0	79.2	82.3	83.9	84.2	84.9	85.1	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	50.4	78.7	82.5	85.2	87.0	87.4	88.2	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 900	53.5	79.0	83.2	86.1	88.0	88.5	89.4	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 800	57.7	80.2	84.0	87.1	89.1	89.5	90.5	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 700	50.0	80.5	84.4	87.5	89.6	90.1	91.2	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 600	50.6	81.0	85.0	88.3	90.3	91.0	92.2	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	50.9	81.5	85.4	88.9	91.2	91.5	93.1	93.4	93.4	94.0	94.1	94.1	94.1	94.1	94.1	94.1
IV 400	50.9	81.4	85.6	89.2	91.8	92.4	93.9	94.2	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 300	50.9	81.5	85.8	89.4	92.1	92.8	94.3	94.7	94.7	95.5	95.7	95.7	95.7	95.7	95.7	95.7
IV 200	50.9	81.6	85.9	89.6	92.3	93.0	94.6	95.0	95.0	95.9	96.1	96.1	96.1	96.1	96.1	96.1
IV 100	50.9	81.6	85.9	89.6	92.3	93.0	94.6	95.0	95.1	96.0	96.3	96.3	96.3	96.3	96.3	96.3
IV 0	50.9	81.6	85.9	89.6	92.3	93.0	94.6	95.1	95.1	96.0	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 24246

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

24294 STATION: 1400101310

9 miles

YEARS

ALL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.2	30.0	31.3	31.9	32.4	32.4	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	29.8	34.9	35.6	36.3	36.3	36.8	37.1	37.2	37.4	37.3	37.4	37.4	37.4	37.4	37.4	37.4
≥ 18000	30.0	35.1	35.8	36.5	37.0	37.1	37.3	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 16000	30.2	35.3	36.1	36.6	37.3	37.4	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	30.4	35.4	36.2	36.7	37.4	37.5	37.7	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 12000	30.6	35.6	36.4	36.9	37.6	37.7	37.9	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 10000	30.8	35.8	36.6	37.1	37.8	37.9	38.1	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 9000	31.0	36.0	36.8	37.3	38.0	38.1	38.3	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 8000	31.2	36.2	37.0	37.5	38.2	38.3	38.5	38.6	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 7000	31.4	36.4	37.2	37.7	38.4	38.5	38.7	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 6000	31.6	36.6	37.4	37.9	38.6	38.7	38.9	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 5000	31.8	36.8	37.6	38.1	38.8	38.9	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 4500	32.0	37.0	37.8	38.3	39.0	39.1	39.3	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 4000	32.2	37.2	38.0	38.5	39.2	39.3	39.5	39.6	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 3500	32.4	37.4	38.2	38.7	39.4	39.5	39.7	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 3000	32.6	37.6	38.4	38.9	39.6	39.7	39.9	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 2500	32.8	37.8	38.6	39.1	39.8	39.9	40.1	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 2000	33.0	38.0	38.8	39.3	40.0	40.1	40.3	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 1800	33.2	38.2	39.0	39.5	40.2	40.3	40.5	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 1500	33.4	38.4	39.2	39.7	40.4	40.5	40.7	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 1200	33.6	38.6	39.4	39.9	40.6	40.7	40.9	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 1000	33.8	38.8	39.6	40.1	40.8	40.9	41.1	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 900	34.0	39.0	39.8	40.3	41.0	41.1	41.3	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 800	34.2	39.2	40.0	40.5	41.2	41.3	41.5	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 700	34.4	39.4	40.2	40.7	41.4	41.5	41.7	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 600	34.6	39.6	40.4	40.9	41.6	41.7	41.9	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 500	34.8	39.8	40.6	41.1	41.8	41.9	42.1	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 400	35.0	40.0	40.8	41.3	42.0	42.1	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 300	35.2	40.2	41.0	41.5	42.2	42.3	42.5	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 200	35.4	40.4	41.2	41.7	42.4	42.5	42.7	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 100	35.6	40.6	41.4	41.9	42.6	42.7	42.9	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 0	35.8	40.8	41.6	42.1	42.8	42.9	43.1	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4

TOTAL NUMBER OF OBSERVATIONS 1400101310

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

SKY COVER

464

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	10.3	1.2	2.2	2.9	2.7	2.5	2.7	3.5	4.3	3.2	64.5	7.4	1730
	03-05	10.2	.8	2.4	1.8	2.0	1.7	1.8	3.4	5.8	3.3	66.9	8.1	1730
	06-08	6.0	1.1	1.8	1.6	2.6	1.8	1.7	3.1	6.3	5.9	67.5	8.4	1733
	09-11	5.0	.9	1.5	1.4	2.3	1.8	1.4	3.0	6.7	9.3	66.3	8.6	1733
	12-14	5.3	1.7	1.7	1.7	1.6	1.7	2.0	3.2	8.6	7.1	64.6	8.4	1730
	15-17	5.5	1.3	1.3	1.6	2.6	2.0	2.4	4.3	7.5	7.1	64.6	8.4	1730
	18-20	7.7	1.8	2.0	3.3	3.1	1.7	2.6	3.5	7.4	3.7	63.2	8.0	1732
	21-23	8.8	1.9	2.1	3.3	3.1	2.1	2.7	3.5	5.8	3.4	63.1	7.9	1733
TOTALS		7.5	1.3	1.9	2.2	2.5	1.9	2.2	3.5	6.5	5.4	65.1	8.2	13651

SKY COVER

FIN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	12.7	1.1	1.8	2.6	3.2	2.2	2.5	4.4	7.8	3.5	57.7	7.6	1563
	03-05	10.7	1.3	1.3	2.6	3.2	2.3	3.1	3.9	6.4	2.8	61.7	7.8	1584
	06-08	6.3	.9	1.8	1.9	2.3	1.8	3.0	5.0	7.1	6.4	63.4	8.3	1503
	09-11	5.4	2.0	1.8	1.5	1.8	2.1	1.6	4.4	8.0	9.3	62.1	8.4	1583
	12-14	5.9	1.3	2.3	2.1	2.5	2.5	3.3	4.8	9.7	8.0	58.5	8.2	1583
	15-17	5.6	1.3	2.6	2.6	4.0	2.8	2.5	5.4	10.0	7.2	50.0	8.0	1583
	18-20	4.7	2.5	3.3	3.9	3.4	2.7	2.5	5.4	8.2	5.4	53.1	7.5	1563
	21-23	13.6	1.6	2.7	3.5	3.7	2.4	2.8	4.9	6.8	4.5	53.5	7.5	1583
TOTALS		8.7	1.5	2.2	2.6	3.1	2.4	2.7	4.8	7.9	5.9	58.3	7.9	12664

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

24244

SEATTLE WASHINGTON FWC

49-65

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	14.3	1.6	3.0	3.6	2.8	2.1	3.1	4.1	7.3	4.3	53.3	7.2	1736
	03-05	11.5	1.4	3.0	2.6	2.9	2.0	2.4	4.7	3.9	3.6	59.9	7.6	1736
	06-08	3.2	1.8	2.0	2.4	2.8	2.4	2.2	4.6	8.4	7.4	62.8	8.4	1736
	09-11	3.2	1.7	2.1	2.0	3.2	3.6	2.4	4.8	10.5	9.0	57.3	8.3	1736
	12-14	3.9	1.0	1.4	2.2	3.1	4.8	3.2	7.5	10.6	10.3	51.8	8.2	1736
	15-17	4.0	1.4	2.3	2.6	3.8	2.8	3.9	6.2	12.8	10.0	50.1	8.0	1736
	18-20	7.7	1.4	3.1	3.9	2.2	4.6	4.1	5.4	10.1	7.6	49.8	7.6	1736
	21-23	13.8	1.0	3.0	3.4	4.1	4.4	3.5	4.6	7.8	4.3	49.9	7.1	1736
TOTALS		1.7	1.4	2.5	2.9	3.1	3.3	3.1	5.2	9.3	7.1	54.4	7.3	13086

SKY COVER

ADR

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	19.3	1.8	3.5	3.9	3.9	3.0	2.8	5.4	6.5	4.6	45.3	6.3	1680
	03-05	11.7	2.1	3.3	2.9	3.7	3.2	2.6	4.8	7.7	5.4	52.4	7.3	1680
	06-08	7.9	1.4	2.6	2.4	2.3	2.8	3.7	5.4	8.2	8.1	57.3	8.1	1680
	09-11	0.8	1.7	2.3	3.6	2.6	3.5	4.3	4.6	9.2	10.5	51.0	7.8	1680
	12-14	0.8	1.8	2.3	4.0	3.8	3.4	4.7	6.7	10.8	9.2	46.6	7.6	1680
	15-17	0.6	2.0	3.1	3.9	4.4	4.2	3.5	6.3	11.1	9.8	45.2	7.5	1680
	18-20	8.6	3.2	3.6	3.9	3.3	3.9	3.2	6.0	11.5	7.2	43.5	7.3	1680
	21-23	12.8	1.8	3.4	5.8	3.8	3.6	3.8	6.0	7.8	6.3	42.0	6.6	1640
TOTALS		10.2	2.0	3.0	3.8	3.5	3.4	3.6	5.7	9.1	7.9	47.9	7.3	13440

SKY COVER

44Y

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	21.6	1.7	4.8	5.7	3.2	2.9	4.0	5.9	7.2	4.1	38.8	6.0	1736
	03-05	10.4	2.6	4.3	4.3	4.3	4.0	3.0	4.8	7.5	7.0	47.5	7.1	1736
	06-08	8.4	2.7	2.5	3.9	2.7	3.4	2.1	4.0	8.9	6.9	54.4	7.7	1736
	09-11	8.2	2.5	2.2	3.9	3.3	4.1	3.0	7.0	10.4	9.6	45.7	7.5	1736
	12-14	7.4	2.5	2.9	3.7	5.2	4.6	5.0	8.0	13.7	10.9	36.1	7.2	1736
	15-17	7.4	4.0	2.6	4.5	5.8	6.0	4.0	7.4	13.5	11.2	33.6	7.0	1736
	18-20	8.8	3.5	5.1	4.7	5.9	4.1	4.1	7.5	11.4	9.9	33.2	6.8	1735
	21-23	15.5	2.8	5.6	6.1	4.8	4.1	3.8	5.8	8.9	4.1	37.4	6.2	1736
TOTALS		11.1	2.8	3.8	4.6	4.4	4.2	3.6	6.3	10.2	8.0	41.1	6.9	13887

SKY COVER

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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	22.7	2.1	4.3	3.6	4.1	2.9	3.0	4.1	7.7	5.4	40.7	6.2	1680
	03-05	10.4	2.7	4.0	4.2	3.7	4.1	2.4	4.6	8.0	8.3	47.6	7.2	1680
	06-08	9.0	2.9	2.6	2.4	2.8	3.0	3.1	4.4	7.2	7.9	54.7	7.7	1680
	09-11	9.9	3.2	3.3	3.3	4.0	3.0	2.7	4.6	9.2	9.3	47.4	7.3	1680
	12-14	10.5	3.0	3.1	4.3	5.8	4.3	4.3	6.5	11.4	10.5	36.1	6.9	1680
	15-17	11.0	4.4	3.9	4.3	5.7	3.4	4.0	6.7	12.0	11.1	33.5	6.7	1680
	18-20	12.0	4.3	4.6	4.6	4.2	5.2	3.6	6.3	9.9	10.9	34.8	6.6	1680
	21-23	17.4	4.5	5.2	5.1	4.1	3.0	4.3	5.6	8.2	5.9	36.7	6.1	1680
TOTALS		12.8	3.4	3.9	4.0	4.3	3.6	3.4	5.4	9.2	8.6	41.4	6.8	13440

SKY COVER

JUL

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	42.5	2.7	4.5	3.7	3.7	2.3	2.9	3.5	5.5	3.3	25.3	4.2	1797
	03-05	27.0	5.9	4.3	3.4	3.3	2.5	2.6	2.9	5.3	5.7	36.9	5.5	1798
	06-08	22.1	4.2	3.8	2.9	3.4	2.3	1.8	3.9	6.7	7.0	41.9	6.2	1799
	09-11	24.9	4.2	4.8	3.2	2.9	4.0	2.8	4.2	7.3	8.8	34.9	5.7	1798
	12-14	28.8	4.2	5.9	4.9	5.5	4.5	3.1	6.6	7.8	6.1	22.9	4.9	1798
	15-17	31.8	6.2	5.3	6.2	4.5	4.8	3.1	5.3	8.1	8.0	16.7	4.4	1793
	18-20	35.1	6.9	5.0	5.2	5.5	3.8	3.2	4.6	7.9	8.0	14.9	4.1	1795
	21-23	38.6	5.4	6.0	4.4	4.2	3.7	2.3	4.7	6.2	4.8	19.6	4.0	1794
TOTALS		31.4	3.0	4.9	4.3	4.1	3.5	2.7	4.5	6.7	6.2	26.6	4.9	14376

SKY COVER

AUG

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG.	00-02	38.4	3.2	3.8	4.3	3.3	2.1	1.9	3.6	5.5	3.0	30.8	4.6	1798
	03-05	29.3	4.4	3.7	3.8	2.9	2.8	2.8	3.4	6.4	4.7	40.8	5.9	1798
	06-08	14.7	4.0	3.4	3.6	2.9	3.0	1.9	3.7	6.7	7.3	49.0	6.4	1798
	09-11	18.9	3.8	3.3	3.6	3.7	3.2	2.4	4.9	7.3	6.6	41.7	6.4	1798
	12-14	20.9	4.7	4.1	4.9	5.2	5.5	4.5	5.7	9.7	7.9	26.9	5.6	1798
	15-17	23.0	5.3	6.0	6.3	6.1	4.2	3.6	5.6	8.6	8.2	23.0	5.2	1798
	18-20	23.4	6.7	6.6	4.9	5.7	4.3	2.6	4.4	9.2	7.5	22.4	4.9	1798
	21-23	34.5	4.3	6.2	4.4	5.4	3.6	3.3	4.2	5.7	3.9	24.5	4.4	1798
TOTALS		23.0	4.6	4.6	4.5	4.4	3.6	2.9	4.5	7.4	6.2	32.4	5.5	14304

SKY COVER

5 & P

MONTH

MONTH	HOURS (L ST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF CBS	
		0	1	2	3	4	5	6	7	8	9			10
JEP	00-02	15.3	2.0	2.9	4.5	3.6	2.4	2.6	3.9	5.0	3.3	34.0	5.0	1740
	03-05	24.8	2.5	3.3	3.6	2.9	2.9	3.2	4.2	3.3	3.9	45.5	6.1	1739
	06-08	9.8	2.9	2.8	4.2	3.0	2.8	2.4	3.9	7.2	8.0	53.0	7.5	1740
	09-11	18.4	2.9	3.6	4.1	3.6	3.6	4.2	5.3	7.0	7.4	41.8	6.6	1740
	12-14	19.8	4.7	4.3	4.5	4.3	4.8	4.7	5.1	10.1	7.5	30.2	5.8	1740
	15-17	19.7	6.3	5.0	5.1	4.8	4.7	3.0	5.6	9.7	8.6	27.5	5.0	1740
	18-20	25.9	5.5	4.8	6.1	3.7	4.1	4.5	6.1	8.7	6.0	26.5	5.3	1740
	21-23	33.5	3.4	4.6	5.1	3.5	3.1	4.0	4.4	5.8	3.9	28.8	4.6	1739
TOTALS		22.9	3.8	3.9	4.7	3.7	3.5	3.6	4.8	7.1	6.1	35.9	5.8	1391

SKY COVER

24244

SEATTLE WASHINGTON FIVE

49-68

36T

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
UCI	00-02	16.0	2.8	2.7	3.9	3.1	3.3	3.3	4.3	6.6	3.8	52.2	7.0	1798
	03-05	9.6	1.1	2.1	2.6	2.9	2.3	4.1	5.4	6.2	4.7	59.1	7.8	1798
	06-08	1.4	1.4	1.7	1.7	2.5	3.0	2.4	4.3	8.5	8.6	64.6	8.7	1798
	09-11	4.7	1.3	1.8	1.7	2.9	3.6	2.5	4.7	11.4	10.5	54.7	8.2	1798
	12-14	8.6	1.6	2.3	3.3	3.9	5.1	3.0	5.5	10.3	9.8	46.7	7.5	1798
	15-17	4.0	3.0	2.8	4.3	3.6	3.7	2.9	4.1	12.0	10.2	44.0	7.3	1798
	18-20	15.5	2.1	3.3	4.7	4.6	3.0	4.5	5.5	5.8	5.5	43.4	6.8	1798
	21-23	18.0	1.6	2.9	4.1	4.1	3.4	3.8	4.7	7.2	4.5	45.5	6.6	1798
TOTALS		10.2	1.6	2.5	3.3	3.5	3.4	3.3	4.8	8.9	7.2	51.3	7.5	14304

SKY COVER

42-68

25-5

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NIV	00-02	10.9	1.0	2.0	3.6	3.0	2.2	2.7	3.6	6.2	2.9	62.0	7.8	1740
	03-05	9.0	1.0	2.0	2.4	2.2	2.4	2.9	3.5	5.4	3.0	65.8	8.1	1740
	06-08	3.4	2.0	1.6	2.0	2.5	2.7	2.9	4.1	7.9	6.6	64.4	8.5	1740
	09-11	3.4	1.6	1.2	2.4	2.6	2.5	2.3	4.8	7.1	8.7	63.4	8.5	1740
	12-14	4.0	1.3	2.9	2.6	2.3	3.0	2.1	5.0	8.3	7.9	60.4	8.3	1739
	15-17	5.1	2.1	2.9	2.4	2.6	2.9	2.5	4.3	9.6	8.6	57.2	8.1	1740
	18-20	10.1	1.2	2.8	3.6	2.9	2.9	2.7	4.8	6.7	3.9	58.4	7.7	1740
	21-23	10.9	1.0	2.0	3.6	2.9	2.2	3.0	3.8	6.7	2.7	61.2	7.7	1740
TOTALS		7.1	1.4	2.1	2.8	2.6	2.6	2.7	4.2	7.3	5.5	61.6	8.1	13912

SKY COVER

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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	5.7	.8	2.1	2.0	2.9	2.3	2.7	3.6	5.0	4.0	69.1	8.4	1891
	03-05	6.0	1.0	1.7	2.0	3.2	1.9	2.2	2.6	5.3	3.4	70.7	8.4	1891
	06-08	4.3	1.3	1.4	2.0	2.0	1.5	2.2	2.8	6.6	4.9	71.1	8.7	1891
	09-11	2.4	.8	1.3	2.0	1.2	2.2	1.9	3.5	6.7	8.7	69.4	8.9	1888
	12-14	2.4	.7	1.2	2.5	2.4	2.6	2.4	4.2	7.2	9.0	65.4	8.7	1888
	15-17	2.9	1.1	1.4	1.9	2.4	2.2	2.1	5.1	7.7	9.3	63.8	8.6	1890
	18-20	5.6	1.1	2.2	2.2	2.4	2.3	3.0	3.8	7.0	4.8	65.7	8.3	1891
	21-23	5.7	.6	2.1	2.0	2.9	2.0	2.9	4.1	6.1	4.7	66.0	8.4	1891
TOTALS		4.4	.9	1.7	2.1	2.4	2.2	2.4	3.7	6.4	6.1	67.7	8.6	15121

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

74244

SEATTLE WASHINGTON FVC

46,48-58

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	7.5	1.3	1.9	2.2	2.5	1.9	2.2	3.5	6.5	5.4	65.1	8.2	13851
FEB		6.7	1.5	2.2	2.6	3.1	2.4	2.7	4.8	7.9	5.9	38.3	7.9	12665
MAR		7.7	1.4	2.5	2.9	3.1	3.3	3.1	5.2	9.3	7.1	34.4	7.8	1388
APR		10.2	2.0	3.0	3.8	3.3	3.4	3.6	5.7	9.1	7.9	47.9	7.3	13440
MAY		11.1	2.8	3.8	4.6	4.4	4.2	3.6	6.3	10.2	8.0	41.1	6.9	13887
JUN		12.8	3.4	3.9	4.0	4.3	3.6	3.4	5.4	9.2	6.6	41.4	6.8	13440
JUL		31.4	5.0	4.9	4.3	4.1	3.3	2.7	4.5	6.9	6.2	26.6	4.9	14376
AUG		23.0	4.5	4.6	4.5	4.4	3.6	2.9	4.5	7.4	6.2	32.4	5.5	14384
SEP		22.9	3.8	3.9	4.7	3.7	3.3	3.6	4.8	7.1	6.1	35.9	5.8	13918
OCT		10.2	1.6	2.5	3.3	3.5	3.4	3.3	4.8	8.9	7.2	31.3	7.5	14384
NOV		7.1	1.4	2.1	2.8	2.6	2.6	2.7	4.2	7.3	5.3	61.6	8.1	13919
DEC		4.4	.9	1.7	2.1	2.4	2.2	2.4	3.7	6.4	5.1	67.7	8.6	15121
TOTALS		13.3	2.5	3.1	3.5	3.5	3.1	3.0	4.8	8.0	6.7	48.6	7.1	67273

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σX). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC
24244 SEATTLE WASHINGTON FMC

DAILY TEMPERATURES

45-68

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT	NOV	DEC	ANNUAL
45					.1	.1	.1	.4					.1
46					.3	.7	2.7	1.6	.3				.5
47				.1	1.6	2.1	10.9	7.9	2.2				2.0
48				.4	5.0	8.6	24.9	21.8	8.2	.9			5.9
49				1.9	11.8	23.1	48.3	43.1	22.6	2.0			12.9
50		.2	.9	6.0	25.1	44.2	76.4	73.3	44.3	8.2			23.6
51		1.5	4.2	15.8	45.7	71.8	94.8	92.3	74.3	21.8	1.0	.3	35.7
52	.3	4.8	10.2	33.2	73.1	93.5	99.3	99.6	94.0	52.8	6.2	.3	47.8
53	4.2	16.5	26.7	62.1	93.0	99.6	100.0	100.0	99.9	83.7	27.2	6.0	60.5
54	23.7	44.3	61.6	91.9	99.7	100.0			100.0	96.4	63.7	31.0	76.4
55	32.7	77.8	91.7	99.6	100.0					99.7	89.2	66.3	84.9
56	78.7	94.8	98.3	100.0						100.0	97.8	88.8	96.6
57	92.1	99.2	99.7								99.3	98.0	99.0
58	97.2	99.7	100.0								99.4	99.2	99.6
59	99.2	100.0									99.7	99.3	99.9
60	99.9										100.0	99.9	100.0
61	100.0											100.0	100.0
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	44.4	49.0	51.6	57.6	64.7	69.2	74.9	75.3	69.3	60.1	51.2	46.6	59.4
S. D.	6.714	6.108	6.196	6.793	7.913	7.161	7.034	6.756	6.989	6.243	5.787	5.852	12.357
TOTAL OBS.	712	650	744	720	744	720	743	744	720	744	720	744	8705

DATA PROCESSING DIVISION

USAF ETAC

AIR WEATHER SERVICE/MAC

24244

SEATTLE WASHINGTON FWC

43-68

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65							.7	.8					.1
60					.1	3.5	12.9	13.3	3.7	.4			2.9
55					5.1	27.1	67.4	73.7	37.2	6.2			18.3
50	.1	.8	.1	2.6	34.3	84.7	98.4	98.5	81.0	34.5	6.1	.7	27.3
45	8.2	8.6	6.3	28.2	77.3	99.7	99.9	100.0	96.0	73.5	33.1	13.8	54.3
40	33.3	40.8	45.4	75.0	97.3	100.0	100.0		99.9	96.0	64.6	44.8	75.2
35	63.1	73.2	81.2	97.1	99.9				100.0	99.6	86.0	74.6	89.8
30	72.5	84.5	90.6	99.4	100.0					99.7	93.3	84.3	91.8
25	84.4	94.5	97.7	100.0						100.0	97.9	92.2	97.3
20	91.9	98.0	99.7								99.3	98.1	99.0
15	95.8	99.2	100.0									99.2	99.5
10	98.3	99.7									99.7	99.3	99.8
5	99.9	100.0									100.0	99.9	100.0
	100.0											100.0	100.0
MEAN	35.6	37.7	38.5	42.1	47.7	52.6	55.9	58.3	52.9	47.4	41.2	38.1	45.5
S. D.	7.395	5.589	4.395	3.694	4.180	3.305	3.171	3.032	4.194	4.778	5.896	6.135	8.696
TOTAL OBS.	712	650	744	720	744	720	743	744	720	744	720	744	8705

DATA PROCESSING DIVISION

USAF ETAC

AIR WEATHER SERVICE/HAC

24244

SEATTLE WASHINGTON FWC

43-68

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80							.4	.3					.1
75					.3	1.0	4.4	2.4	.3				.7
70					1.7	5.4	18.6	15.9	4.7				3.9
65				.3	7.4	20.3	36.4	52.6	22.8	1.6			13.7
60				2.1	27.0	60.7	94.3	94.1	63.7	12.2	.1		30.1
55		1.1	2.6	15.8	61.4	95.3	99.9	99.9	94.3	44.2	3.9	.5	43.7
50	4.1	11.5	13.2	53.5	92.3	99.9	100.0	100.0	99.9	82.3	30.3	8.9	38.7
45	30.8	43.7	58.2	90.7	99.9	100.0			100.0	98.1	66.5	40.9	77.8
40	59.7	81.8	90.9	100.0	100.0					100.0	89.4	73.0	91.4
35	83.6	94.9	98.8								98.6	92.1	97.4
30	92.3	98.8	99.9								99.3	98.5	99.1
25	96.9	99.5	100.0								99.4	99.3	99.6
20	99.3	100.0									99.9		99.9
15	99.3										100.0	99.9	100.0
10	100.0											100.0	100.0
MEAN	40.2	43.6	45.3	50.1	56.3	61.1	65.6	63.3	61.3	54.0	46.4	42.6	52.7
S D	6.794	5.146	4.414	4.302	3.267	4.562	4.447	4.106	4.376	4.743	5.412	5.726	10.122
TOTAL OBS	712	680	744	720	744	720	743	744	720	744	720	744	6705

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAC

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

24244 SEATTLE WASHINGTON FWC

45-68

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			59	69	89	84	88	86	83	78	58	57	
46	56	60	68	69	83	82	90	87	88	65	52	57	90
47	55	68	72	85	86	80	83	82	84	70	56	57	86
48	53	58	72	71	82	87	86	80	82	76	52	48	87
49		66	65	74	79	81	86	91	84	68	66	65	
50	50	58	58	78	81	84	83	88	88	72	65	40	83
51	55	58	65	80	83	92	91	86	87	83	59	49	92
52	56	63	62	72	82	76	90	93	89	81	66	65	73
53	57	55	66	66	93	75	88	88	84	80	63	54	93
54	55	61	62	75	75	77		80	76	80	63	56	
55	52	52	66	74	71	95	83	86	87	70	60	55	95
56	57	49	65	73	86	76	93	86	89	72	50	56	93
57	49	58	60	70	81	80	84	86	87	73	60	63	87
58	57	63	61	77	85	93	95	88	85	76	60	59	93
59	53	56	64	74	83	84	92	82	78	66	60	54	92
60	61	56	69	71	79	79	91	98	82	71	65	56	98
61	60	56	63	66	85	85	94	90	84	80	60	54	94
62	57	64	68	76	67	82	89	85	83	71	62	57	89
63	53	70	63	66	93	85	76	84	87	76	60	58	95
64	54	53	71	64	88	79	84	87	76	73	56	54	88
65	54	58	68	77	77	83	93	90	76	71	66	58	93
66	55	64	71	76	79	84	85	90	82	79	61	55	90
67	56	59	56	63	82	58	87	95	94	76	61	54	95
68	57	68	70	75	78	84	88	92	82	71	58	53	92
MEAN	55.1	59.8	65.2	72.9	82.0	85.2	87.8	87.5	84.0	73.8	60.9	56.5	91.7
S.D.	2.827	5.300	4.536	5.408	6.231	5.141	4.502	4.433	4.496	4.958	3.430	4.364	3.261
TOTAL OBS.	682	650	744	720	744	720	713	744	720	744	720	744	8545

USAF ETAC FORM 0-88-5 (OLI)
JUL 64

EXTREME VALUES

24294	SEATTLE WASHINGTON F&C
STATION	STATION NAME

45-63

YEARS

[illegible]

USAF ETAC FORM 0-88.5 (OLI)
JUL 64

EXTREME VALUES

<u>24244</u> STATION	<u>SEATTLE WASHINGTON F&C</u> STATION NAME
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45m5.8

YEARS

[illegible]

PSYCHROMETRIC SUMMARY

JAN

STATION

STATION NAME

YEARS

MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONT

PAGE 2 ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
- 4/- 3																						4												
- 6/- 7																						1												
- 8/- 9																						1												
TOTAL	17.2	56.9	17.6	4.9	1.1	.3	.1	.0											16075		16099													
																		16075		16075														

3

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18

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1210 WS

PSYCHROMETRIC SUMMARY

40442

115

MONTH

PAGE 2 ALL

HOURS 1.5 1.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27-28	29	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
27 = 1																						2		
0/- = 1																						3		
27 = 3																						2		
6/- = 7																						1		
TOTAL	4650	92	7.0	1.7	1.2	.7	.2	.1	.0	.0	.0	.0							14699	14703	14700			

210 WS 0-26.5 (OLI) FORM
JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244

SEATTLE WASHINGTON FRC

46-08

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS (N. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
72/ 71									.0	.0	.0							3	3						
70/ 69								.0	.0	.0	.0	.0						12	12						
68/ 67						.0	.0	.0	.0	.0	.0							21	21						
66/ 65					.0	.1	.1	.0	.0	.0								41	41						
64/ 63					.0	.1	.1	.1										60	60						
62/ 61				.0	.2	.2	.1	.0	.0									87	87						
60/ 59		.0	.0	.1	.2	.2	.1	.1	.0	.0								118	118						
58/ 57		.0	.1	.2	.4	.4	.2	.1	.0	.0								210	210	14					
56/ 55		.0	.2	.0	.0	.0	.2	.1	.0									330	330	50	2				
54/ 53	.0	.2	.0	.1	.1	.2	.1	.0										483	483	140	15				
52/ 51	.1	.1	1.3	1.0	1.2	.3	.1											643	643	234	44				
50/ 49	.2	2.0	2.4	2.1	1.0	.3	.0											1298	1298	554	142				
48/ 47	.2	3.8	3.7	2.1	.1	.1												1735	1735	1101	432				
46/ 45	1.4	7.3	4.4	1.0	.3	.1	.0											2499	2499	2030	841				
44/ 43	1.3	7.5	4.7	1.0	.2	.1												2376	2376	2656	1357				
42/ 41	1.5	7.7	2.3	.4	.1	.0												1933	1933	2776	2176				
40/ 39	1.5	6.3	1.3	.2	.1													1507	1507	2551	2320				
38/ 37	1.5	4.2	.5	.2	.0													1027	1027	1673	2987				
36/ 35	1.6	2.5	.3	.1														733	733	1102	2218				
34/ 33	1.0	1.4	.2	.1	.0													439	439	812	1657				
32/ 31	.5	.0	.1	.1														231	231	335	910				
30/ 29	.2	.2	.1	.0														89	89	174	500				
28/ 27	.0	.1	.0															20	20	57	269				
26/ 25	.0	.0	.0															6	6	37	126				
24/ 23	.0	.0	.0															3	3	6	94				
22/ 21	.0	.0																7	7	3	66				
20/ 19		.0																6	6	8	43				
18/ 17																				3	37				
16/ 15																					27				
14/ 13																					14				
12/ 11																					9				
10/ 9																					3				
0/ 1																					1				
Element (X)	Σ X ²		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

1210 WS FORM 0-26-5 (OLI) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

46-58

KAR

MONTH

PAGE 2 ALL

HOURS R. S. T. J.

[illegible]

3

43-68

APK

MONIH

PAGE 1 ALL

HOURS (L, S, T)

1210 WS FORM 0-26-5 (OL-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

PSYCHROMETRIC SUMMARY

46-68

APK

MONTH

PAGE 2 ALL
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
18 / 17 16 / 15																						4 1
TOTAL	7.2	36.2	24.9	3.4	0.9	0.4	2.9	1.2	.2	.3	.2	.1	.0	.0	.0	.0		15599	5599	5599	5599	
											</											

PSYCHROMETRIC SUMMARY

45-64

248

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS (L S T)

[illegible]

FORM 0-26-5 (OL-1)
JUL 64

PSYCHROMETRIC SUMMARY

44Y

STATION

STATION NAME

YEARS

MONTH

PAGE 2 ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
28/ 27																				9		
26/ 25																				0		
24/ 23																				3		
22/ 21																				2		
18/ 17																				1		
16/ 15																				2		
TOTAL	30.0	76.3	24.8	35.4	11.0	7.9	4.9	2.7	1.7	.7	.5	.2	.1	.0	.0	.0	.0	10859	16859	16860		

DATA PROCESSING DIVISION
ETAL, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 SEATTLE WASHINGTON INC

45-68

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS (R. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
96/ 95																.0	.0	2	2		
94/ 93												.0				.0		4	4		
92/ 91											.0	.0			.0	.0		8	8		
90/ 89										.0	.0	.0	.0	.0	.0			14	14		
88/ 87										.0	.1	.0	.0					22	22		
86/ 85							.0	.0	.0	.0	.1	.0		.0				29	29		
84/ 83							.0	.1	.1	.1	.0	.0	.0					36	39		
82/ 81					.0	.0	.0	.2	.2	.2	.0	.0						102	102		
80/ 79				.0		.0	.1	.2	.2	.2	.0	.0						129	129		
78/ 77					.0	.1	.3	.4	.2	.1	.0		.0					194	195		
76/ 75				.0	.0	.3	.5	.6	.2	.1	.0	.0	.0					295	296		
74/ 73				.0	.1	.5	.7	.8	.2	.0	.0	.0						399	400	5	
72/ 71			.0	.1	.2	.9	.9	.6	.1	.0	.0							455	455	19	1
70/ 69			.0	.2	.8	1.3	1.1	.5	.1	.0								659	659	49	7
68/ 67		.0	.1	.5	1.3	1.5	.9	.3	.1									758	759	139	8
66/ 65		.0	.3	1.2	2.0	1.9	.7	.2	.0	.0								1019	1020	278	14
64/ 63		.1	.7	1.8	2.8	2.1	.8	.0	.0	.0								1112	1113	469	59
62/ 61	.0	.7	1.8	2.8	2.1	.8	.1	.0										1358	1359	768	126
60/ 59	.1	1.9	3.0	3.2	1.7	.4	.0	.0										1812	1815	1373	356
58/ 57	.3	3.2	3.4	3.1	.8	.1	.0											2094	2096	2054	862
56/ 55	.3	4.9	5.9	1.7	.3	.0												2135	2135	2602	1933
54/ 53	.3	4.9	4.0	.9	.0	.0												1741	1742	2997	2305
52/ 51	.2	4.4	2.4	.2														1182	1183	2559	2719
50/ 49	.4	2.1	.8	.0														912	912	1824	2946
48/ 47	.1	.7	.3															171	171	737	2499
46/ 45	.0	.2	.0															33	33	207	1924
44/ 43			.0															1	1	38	311
42/ 41																			3	337	
40/ 39																				110	
38/ 37																				19	
36/ 35																				10	
34/ 33																				7	
32/ 31																				3	
30/ 29																				2	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 1210 WS JUL 64 0-26-5 (OL-1)

PSYCHROMETRIC SUMMARY

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YEARS

MONTH

PAGE 2 ALL

HOURS (L S T)

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 SEATTLE WASHINGTON PNC

45-68

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point								
96/ 95								.0		.0														3	3			
94/ 93								.0	.0	.0	.0													15	15			
92/ 91								.0		.0	.0	.0	.0											19	19			
90/ 89								.0		.0	.0	.1	.1	.0										58	58			
88/ 87							.0	.0	.0	.1	.1	.1	.1	.0	.0									95	95			
86/ 85							.0	.0	.1	.2	.3	.1	.1	.0										132	132			
84/ 83					.0		.0	.1	.2	.3	.4	.2	.1	.0										197	197			
82/ 81					.0		.0	.1	.2	.3	.4	.3	.1	.0										291	291	1		
80/ 79			.0	.0	.0	.1	.1	.2	.3	.4	.3	.2	.1											376	376	2		
78/ 77		.0	.0	.0	.1	.1	.2	.3	.4	.3	.2	.1	.0											488	488	12		
76/ 75			.0	.1	.2	.3	.4	.5	.6	.5	.4	.3	.2											619	619	15	2	
74/ 73		.0	.0	.2	.4	.5	.6	.7	.8	.7	.6	.5	.4											771	771	37	9	
72/ 71		.0	.1	.2	.4	.5	.6	.7	.8	.7	.6	.5	.4											868	868	73	14	
70/ 69		.0	.2	.4	.6	.7	.8	.9	1.0	.9	.8	.7	.6	.0	.0									1115	1115	241	27	
68/ 67		.1	.2	.4	.6	.7	.8	.9	1.0	.9	.8	.7	.6	.0										1157	1157	509	45	
66/ 65		.2	.4	.6	.8	.9	1.0	1.1	1.2	1.1	1.0	.9	.8	.0										1395	1395	889	106	
64/ 63	.0	.1	.2	.4	.6	.7	.8	.9	1.0	.9	.8	.7	.6	.0										1518	1518	1268	229	
62/ 61	.2	.4	.6	.8	1.0	1.1	1.2	1.3	1.4	1.3	1.2	1.1	1.0											1799	1799	1825	600	
60/ 59	.2	.4	.6	.8	1.0	1.1	1.2	1.3	1.4	1.3	1.2	1.1	1.0											2103	2103	2667	1154	
58/ 57	.2	.4	.6	.8	1.0	1.1	1.2	1.3	1.4	1.3	1.2	1.1	1.0											1972	1972	3125	2045	
56/ 55	.2	.4	.6	.8	1.0	1.1	1.2	1.3	1.4	1.3	1.2	1.1	1.0											1457	1457	3124	2966	
54/ 53	.2	.4	.6	.8	1.0	1.1	1.2	1.3	1.4	1.3	1.2	1.1	1.0											642	642	1124	3551	
52/ 51	.1	.2	.4	.6	.8	1.0	1.1	1.2	1.3	1.2	1.1	1.0	.9											197	197	1062	3100	
50/ 49	.0	.1	.2	.4	.6	.8	1.0	1.1	1.2	1.1	1.0	.9	.8											55	55	312	2043	
48/ 47		.0																						6	6	60	966	
46/ 45																									4	342		
44/ 43																										181		
42/ 41																										31		
40/ 39																										13		
38/ 37																										4		
TOTAL	1.1	1.7	0.4	0.9	0.3	2.1	9.9	7.9	5.1	9.0	1.6	.5	.4	.1	.0	.0								17348	17348	17348	7365	
										</																		

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 SEATTLE WASHINGTON FRC

45-68

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STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS (S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point			
98/ 97																.0	.0				4	4		
96/ 93															.0	.0	.0				6	6		
94/ 93															.0	.0	.0				4	4		
92/ 91												.0	.0	.0	.0	.0					10	10		
90/ 89										.0	.0	.1	.0	.0	.0		.0	.0			24	24		
88/ 87						.0	.0	.0	.0	.0	.1	.0	.0	.0	.0		.0	.0			37	37		
86/ 85					.0	.0	.0	.0	.2	.2	.1	.0	.0	.0							106	106		
84/ 83					.0	.0	.0	.1	.3	.2	.1	.0	.0	.0							154	154		
82/ 81					.0	.0	.1	.3	.5	.3	.1	.0	.0								229	229		
80/ 79				.0	.0	.1	.3	.5	.7	.2	.1	.0	.0								327	327		
78/ 77				.0	.0	.3	.5	.7	.4	.1	.0	.0									397	397		
76/ 75			.0	.0	.2	.5	1.3	.5	.2	.0	.0	.0									539	539	11	1
74/ 73			.0	.1	.4	1.3	1.5	.6	.1	.0											680	682	14	7
72/ 71		.0	.0	.3	1.1	1.8	1.2	.3	.1	.0											837	839	33	8
70/ 69		.0	.1	.4	2.0	2.2	.9	.1	.0	.0											1080	1082	148	14
68/ 67		.1	.3	1.8	2.8	1.3	.3	.1													1181	1181	377	26
66/ 65	.0	.3	1.5	3.6	2.3	.0	.1	.0													1447	1447	820	46
64/ 63	.1	.8	3.0	3.9	1.5	.2	.0														1682	1682	1423	221
62/ 61	.3	2.5	3.8	3.0	.5	.1															2176	2176	2075	619
60/ 59	.3	5.4	8.0	1.8	.1	.0															2507	2507	3319	1480
58/ 57	.4	5.1	4.8	.5	.0																1880	1880	3526	2855
56/ 55	.3	4.8	4.1	.1																	1272	1272	2927	3707
54/ 53	.2	8.4	.9	.0																	531	531	1803	3671
52/ 51	.1	.8	.0																		177	177	679	2691
50/ 49	.1	.2																			42	42	172	1391
48/ 47	.0	.0																			4	4	20	472
46/ 45																							1	113
44/ 43																								43
42/ 41																								20
40/ 39																								4
38/ 37																								1
36/ 35																								3
34/ 33																								3
TOTAL	2.122	7.75	15.41	1.1	8.6	6.1	3.9	2.4	1.0	.3	.2	.1	.1	.0	.0	.0	.0				7353	7353	17353	17353
Element (X)	ΣX ²		ΣX		X		X		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.	47266630		1271326		73.3		15,420		17353		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	72506899		1115021		64.2		7,351		17353				240.9	108.0	31.3	.4							744.0	
Wet Bulb	59730343		1015685		58.5		4,028		17353				25.2	1.3									744.0	
Dew Point	52155853		949221		54.7		3,661		17353				2.4	.3									744.0	

1210 WS FORM JUL 64 0-26-5 (OLI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

PSYCHROMETRIC SUMMARY

24244 SEATTLE WASHINGTON FMC

49-08

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STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS (Z S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D B / W B	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
64/ 83								.0											1	1				
82/ 81									.0			.0							2	2				
00/ 79						.0	.0	.0	.0	.0									15	15				
78/ 77						.0	.0	.0	.0										11	11				
76/ 73						.0	.0	.0	.0										23	23				
74/ 73					.0	.0	.0	.1	.0										30	30				
72/ 71				.0	.0	.1	.1	.0	.0										37	37				
70/ 69				.0	.2	.3	.1	.0	.0										117	117	2			
68/ 67			.0	.1	.3	.3	.1	.0	.0										152	152	5			
66/ 65			.1	.3	.6	.3	.1	.1											278	278	23			
64/ 63		.2	.4	.7	.7	.4	.1	.0											454	454	49			
62/ 61	.0	.7	1.0	1.3	.6	.4	.1	.0											710	710	187			
60/ 59	.2	1.3	2.4	1.0	.7	.5	.0												1201	1201	515			
58/ 57	.2	3.0	3.1	1.9	1.0	.2	.0												1573	1573	926			
56/ 55	.4	3.7	3.0	1.9	.5	.1	.0												2064	2064	1706			
54/ 53	.7	6.0	3.7	1.7	.3	.0	.0												2136	2136	2092			
52/ 51	1.1	6.9	3.6	1.0	.1	.0	.0												2245	2245	2358			
50/ 49	1.3	7.2	3.0	.5	.0	.0													2123	2123	2843			
48/ 47	1.5	6.1	1.7	.2	.0														1672	1672	2443			
46/ 45	1.9	4.0	.7	.1	.0														1103	1103	2034			
44/ 43	1.2	2.2	.3	.0															649	649	1069			
42/ 41	1.0	1.0	.1																360	360	623			
40/ 39	.5	.4	.1																173	173	296			
38/ 37	.3	.1	.0																77	77	111			
36/ 35	.1	.1																	33	33	47			
34/ 33	.0	.0																	10	10	18			
32/ 31	.0																		6	6	6			
30/ 29																					6			
28/ 27																					11			
26/ 25																					2			
24/ 23																					2			
TOTAL	10.8	44.8	23.5	1.3	3.7	2.6	.8	.3	.1	.0	.0								17357	17357	17357			
																			17357		17357			
Element (X)	Σx²		- Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel Hum.	121552972		1436246		62.7		2.490		17357		≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	49343684		919028		92.9		6.278		17357			.3	17.5	3.5	.5		744.0							
Wet Bulb	43503882		868640		90.0		4.991		17357			.3	.3				744.0							
Dew Point	39527725		823907		47.4		5.127		17357			2.9					744.0							

FORM 0-26-5 (OL-1) JUL 64 1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

PSYCHROMETRIC SUMMARY

24244 SEATTLE WASHINGTON FWC

43-67

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STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL

HOURS & S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
68/ 67				.0	.0	.0												1	1						
66/ 65				.0	.0	.0	.0		.0	.0								10	10						
64/ 63			.0	.0	.0	.1		.0	.0									20	20						
62/ 61		.0	.0	.1	.1	.0	.0											42	42						
60/ 59		.2	.1	.2	.1	.1	.0	.0										131	131						
58/ 57	.0	.4	.3	.4	.2	.1	.0											274	274	60	14				
56/ 55	.1	.9	1.0	.7	.3	.1	.0	.0										341	341	175	95				
54/ 53	.4	2.3	1.9	1.0	.4	.1	.0											1037	1037	428	199				
52/ 51	.7	4.0	2.7	1.2	.3	.1	.0											1638	1638	996	503				
50/ 49	1.1	6.3	3.7	.9	.3	.1	.0											2122	2122	1643	1050				
48/ 47	1.0	7.0	3.7	.9	.2	.0												2233	2233	2027	1407				
46/ 45	1.0	8.3	2.9	.0	.0													2268	2268	2503	1807				
44/ 43	1.4	6.3	2.1	.9	.1	.0												1783	1783	2272	2300				
42/ 41	1.6	3.0	1.2	.3	.0	.0												1470	1470	1978	2393				
40/ 39	1.0	2.8	.9	.1	.0													1102	1102	1576	1933				
38/ 37	1.0	2.7	.9	.1														807	807	1098	1367				
36/ 35	1.5	1.7	.3	.1	.0													609	609	827	1314				
34/ 33	1.0	.8	.1	.0														342	342	492	926				
32/ 31	.4	.4	.1	.0														172	172	247	505				
30/ 29	.1	.1	.1	.0														60	60	94	296				
28/ 27	.0	.0	.1	.0														23	23	39	163				
26/ 25		.1	.0															21	21	40	30				
24/ 23		.0	.0															12	12	24	41				
22/ 21		.0	.0															12	12	9	43				
20/ 19		.1	.0															19	19	14	22				
18/ 17		.1	.0															23	23	26	20				
16/ 15	.0	.1	.0															14	14	26	73				
14/ 13	.0	.0																4	4	11	23				
12/ 11																				1	23				
10/ 9																					23				
8/ 7																					10				
6/ 5																					7				
4/ 3																					4				
2/ 1																					5				
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 1210 WS JUL 44 0-26-5 (OL1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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YEARS

MONTH

PAGE 2 ALL

HOURS & \$ T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
0/- = 1																					6	
2/- = 3																					1	
UTNL	14.3	33.3	42.0	70.4	20.2	.7	.1	.0	.0	.0								16794	6794	6794	6794	
									</													

FORM 0-26-5 (O.L.I)
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

24244 SEATTLE WASHINGTON FWC

45-68

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
70/ 69							.0											1	1							
66/ 65							.0											1	1							
64/ 63							.0											2	2							
62/ 61						.0	.0											2	2							
60/ 59		.0	.0	.0	.0	.0												10	10							
58/ 57		.0	.1	.0	.0	.0												35	35							
56/ 55	.0	.3	.2	.2	.0	.0	.0											133	133	21	10					
54/ 53	.1	.8	.7	.3	.1	.0	.0											360	360	112	40					
52/ 51	.3	2.6	1.1	.3	.1	.0	.0											792	792	318	174					
50/ 49	1.0	3.7	2.2	.9	.1	.0	.0											1318	1318	898	527					
48/ 47	1.0	5.8	3.2	.6	.1	.0												1863	1863	1188	733					
46/ 45	1.4	8.2	2.8	.6	.1	.0												2294	2294	1970	1200					
44/ 43	1.3	7.6	3.2	.4	.0	.0	.0											2167	2167	2293	1864					
42/ 41	1.5	7.4	1.8	.3	.1	.0												1913	1913	2200	2154					
40/ 39	2.0	7.2	1.6	.3	.0	.0												1931	1931	2328	2098					
38/ 37	2.6	4.7	1.0	.2	.0													1498	1498	1969	2236					
36/ 35	2.2	3.9	.8	.1														1212	1212	1447	1951					
34/ 33	1.4	2.2	.3	.1	.0													694	694	1011	1433					
32/ 31	.7	1.3	.3	.0														434	434	618	936					
30/ 29	.7	.9	.2	.0														307	307	425	655					
28/ 27	.2	.6	.1															153	154	221	483					
26/ 25	.1	.2	.0															63	63	132	286					
24/ 23	.0	.1	.1															43	43	41	168					
22/ 21	.0	.1	.0	.0														22	22	28	130					
20/ 19		.1	.0	.0														18	18	22	60					
18/ 17		.1	.0															18	18	16	33					
16/ 15		.1	.0															24	24	23	22					
14/ 13		.1																22	22	34	16					
12/ 11	.0	.1																10	10	15	16					
10/ 9	.0	.1																10	10	14	22					
8/ 7		.0																2	2	5	23					
6/ 5																					19					
4/ 3																					21					
2/ 1																					27					
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OLI) JAN 64

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

45-68

DEC

MONTA

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
0/- 1																					6	
- 2/- 3																					4	
-10/-11																					1	
TOTAL	16.5	58.5	19.8	4.0	.8	.2	.1												17352		17352	
																			17352		17352	

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLI)

USAFETAC

3

ALL

MONTH

HOURS & ST

HOURS & ST

FORM 0-26-5 (OLI)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

JANUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76					100.0					1	.0
67 TO 71											
62 TO 66											
57 TO 61	8.3		4.2	8.3	20.8	20.8	8.3	12.5	16.7	24	.2
52 TO 56	3.5	.2	2.1	2.1	51.3	29.6	.5	1.6	8.9	425	2.9
47 TO 51	6.0	1.6	3.4	4.6	46.5	23.2	1.6	.9	12.2	2056	13.9
42 TO 46	10.0	4.4	5.9	6.9	37.2	16.6	1.2	2.6	15.3	4129	27.9
37 TO 41	15.9	6.8	8.1	7.4	32.6	12.3	1.7	2.1	13.0	4063	27.4
32 TO 36	23.3	10.4	12.2	6.7	18.6	9.8	1.9	3.4	13.9	2311	15.6
27 TO 31	31.7	20.7	18.7	4.1	5.9	4.5	.8	5.1	8.5	863	5.8
22 TO 26	46.6	18.2	16.7	6.0	1.5	.2		4.9	6.0	534	3.6
17 TO 21	39.1	28.1	15.9	5.3	4.3			4.0	3.3	302	2.0
12 TO 16	50.6	21.3	6.7	2.2	5.6		1.1	3.4	9.0	89	.6
7 TO 11	54.5	13.6	4.5					13.6	13.6	22	.1
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.4	7.5	8.4	6.3	30.7	13.9	1.4	2.6	12.8	14819	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 FEBRUARY ALL
STATION STATION NAME YEARS MONTH HOURS (L.R.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71			16.7	16.7	50.0		16.7			6	.0
62 TO 66	16.3		4.7	20.9	14.0	23.3	4.7		16.3	43	.3
57 TO 61	20.5	1.6	6.5	17.8	15.1	12.4	3.2	4.3	18.4	185	1.4
52 TO 56	14.8	2.3	2.7	7.1	32.6	22.9	2.0	2.0	13.4	812	6.0
47 TO 51	13.5	2.5	3.2	5.6	38.2	20.2	1.5	2.1	13.2	2568	19.0
42 TO 46	18.3	4.5	5.4	6.0	34.6	13.8	1.1	3.0	13.3	4444	32.8
37 TO 41	21.7	7.0	6.8	5.2	28.1	12.6	1.4	4.3	12.8	3390	25.0
32 TO 36	30.0	12.7	10.7	4.8	13.7	5.7	1.0	5.8	15.8	1648	12.2
27 TO 31	37.2	15.3	14.2	5.9	10.8	2.4		2.8	11.5	288	2.1
22 TO 26	48.9	5.6	16.7	1.1	15.6	1.1		1.1	10.0	90	.7
17 TO 21	52.1	8.3	2.1	10.4	14.6	2.1		2.1	8.3	48	.4
12 TO 16	90.5	4.8							4.8	21	.2
7 TO 11	50.0							25.0	25.0	4	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	20.3	5.8	6.0	5.8	29.9	13.9	1.3	3.4	13.5	13547	100.0

NAVWEASERVCOM

SYNOPSIS: AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 48
YEARS

MARCH
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	13.0		8.7	8.7	34.8	17.4	13.0	4.3		23	.2
62 TO 66	28.4	1.5	4.5	13.4	18.7	11.2	6.7	9.7	6.0	134	.9
57 TO 61	32.9	1.6	5.1	4.0	19.4	12.7	4.6	9.4	10.2	371	2.5
52 TO 56	26.4	2.3	4.0	7.4	28.0	15.8	2.8	4.7	8.6	1138	7.7
47 TO 51	17.9	3.5	3.6	6.5	32.5	20.0	2.1	3.2	10.8	3156	21.2
42 TO 46	16.1	4.8	4.1	5.7	37.3	16.0	1.2	2.5	12.5	5343	36.0
37 TO 41	20.7	6.0	6.6	5.8	29.0	14.4	1.2	3.0	13.3	3217	21.6
32 TO 36	32.2	10.3	10.8	3.5	13.5	10.3	1.0	4.7	13.8	1256	8.5
27 TO 31	22.4	11.9	17.9	9.5	15.4	8.0		7.5	7.5	201	1.4
22 TO 26	28.6	21.4	7.1				7.1	21.4	14.3	14	.1
17 TO 21	62.5	12.5	25.0							8	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	20.3	5.0	5.3	5.9	30.8	15.7	1.6	3.4	11.9	14863	100.0

NAVWEASERVCOM

5709 FREQ. VS. TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 48
YEARS

APRIL
MONTH

ALL
HOURS (L.B.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	12.5					37.5	25.0	12.5	12.5	8	.1
72 TO 76	27.3	2.6	2.6	20.8	10.4	19.5	7.8	2.6	6.5	77	.5
67 TO 71	39.2	2.5	3.0	11.4	18.6	11.4	3.4	7.6	3.0	237	1.6
62 TO 66	43.3	1.8	2.4	9.2	17.4	10.7	3.8	4.9	6.5	552	3.8
57 TO 61	38.1	2.4	2.7	9.3	19.5	15.7	3.8	3.5	4.9	1133	7.9
52 TO 56	27.6	3.7	3.2	6.3	29.6	16.0	2.6	3.1	7.8	2662	18.5
47 TO 51	19.5	6.3	4.2	5.1	33.2	18.3	2.0	2.6	8.8	4353	30.2
42 TO 46	18.8	8.1	6.5	6.0	31.8	12.2	1.0	1.9	10.8	3857	26.8
37 TO 41	26.6	9.4	9.5	4.5	25.2	9.4	.7	2.0	12.5	1376	9.6
32 TO 36	41.4	13.6	7.9	1.4	6.4	1.4		5.7	22.1	140	1.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	24.4	6.1	4.9	6.1	29.1	15.4	2.0	2.7	9.1	14395	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FNC
STATION NAME

JAN 49 - DEC 68
YEARS

APRIL
MONTH

ALL
HOURS (L.B.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	12.5					37.5	25.0	12.5	12.5	8	.1
72 TO 76	27.3	2.6	2.6	20.8	10.4	19.5	7.8	2.6	6.5	77	.5
67 TO 71	39.2	2.5	3.0	11.4	18.6	11.4	3.4	7.6	3.0	237	1.6
62 TO 66	43.3	1.8	2.4	9.2	17.4	10.7	3.8	4.9	6.5	552	3.8
57 TO 61	38.1	2.4	2.7	9.3	19.5	15.7	3.8	3.5	4.9	1133	7.9
52 TO 56	27.6	3.7	3.2	6.3	29.6	16.0	2.6	3.1	7.8	2662	18.5
47 TO 51	19.5	6.3	4.2	5.1	33.2	18.3	2.0	2.6	8.8	4353	30.2
42 TO 46	18.8	8.1	6.3	6.0	31.8	15.2	1.0	1.9	10.8	3857	26.8
37 TO 41	25.6	9.4	9.5	4.5	25.2	9.4	.7	2.0	12.5	1376	9.6
32 TO 36	41.4	13.6	7.9	1.4	6.4	1.4		3.7	22.1	140	1.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	24.4	6.1	4.9	6.1	29.1	15.4	2.0	2.7	9.1	14395	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 69

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

MAY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					20.0		80.0			5	.0
87 TO 91	50.0		16.7		8.3	25.0				12	.1
82 TO 86	71.4	3.2	1.6	9.5	6.3		1.6	1.6	4.8	63	.4
77 TO 81	68.6	1.7	2.9	5.8	7.6	2.9	5.2	2.9	2.9	172	1.2
72 TO 76	65.6	2.0	2.8	5.1	6.1	3.3	4.3	6.5	4.1	392	2.6
67 TO 71	59.6	1.6	2.5	4.8	12.5	8.1	3.8	4.3	3.8	766	5.2
62 TO 66	44.2	3.8	2.9	7.1	18.5	10.5	3.4	5.1	4.5	1473	9.9
57 TO 61	32.0	5.4	3.2	5.8	25.3	14.6	2.8	3.8	7.1	2789	18.8
52 TO 56	25.0	8.5	5.7	4.6	28.1	15.6	1.9	2.4	8.1	4023	27.1
47 TO 51	19.8	10.9	8.9	5.7	29.6	14.3	1.0	1.6	8.1	3677	24.7
42 TO 46	17.6	10.8	11.9	4.7	28.5	15.1	.6	1.6	9.2	1332	9.0
37 TO 41	30.7	14.0	7.3	5.3	18.7	8.0		1.3	14.7	150	1.0
32 TO 36	57.1					14.3		28.6		7	.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	29.9	7.7	6.0	5.4	25.2	13.5	2.1	2.9	7.3	14861	100.0

NAVWEASERVCOM

5705+REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON EWC
STATION NAME

JAN 49 - DEC 68
YEARS

JUNE
MONTH

ALL
HOURS (L.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	16.7	8.3		75.0						12	.1
87 TO 91	71.4			11.4	2.9	8.6		2.9	2.9	33	.2
82 TO 86	66.1	5.2		6.1	8.7	.9	.9	10.4	1.7	115	.8
77 TO 81	73.5	3.3	.7	3.9	6.6	3.3	1.3	5.2	2.0	305	2.1
72 TO 76	58.8	3.7	1.6	7.0	12.8	6.2	2.0	4.2	3.7	803	5.6
67 TO 71	43.1	5.0	2.7	8.2	18.9	9.4	3.7	5.4	3.7	1468	10.2
62 TO 66	31.4	6.7	3.8	7.6	24.5	14.0	3.3	3.5	5.1	2481	17.3
57 TO 61	24.7	8.6	4.5	4.5	28.2	17.4	2.3	2.9	6.8	4016	28.0
52 TO 56	18.2	13.2	8.4	3.1	27.5	19.2	1.6	2.1	6.6	3963	27.7
47 TO 51	21.4	13.9	11.3	5.2	25.0	14.8	1.1	3.1	4.1	1087	7.6
42 TO 46	45.7	8.6	8.6	5.7	14.3	2.9	2.9	11.4		35	.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	29.2	9.1	3.5	5.3	24.6	15.2	2.3	3.3	5.6	14322	100.0

NAVWEASERVCOM

5709 FREQ. OF AIR TEMP. VS. WIND DIR. 9/17/68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244 SEATTLE, WASHINGTON FWC JAN 49 - DEC 68 JULY ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	57.7			7.7	3.8			26.9	3.8	26	.2
87 TO 91	84.1	.6		.6	4.3	1.2		8.5	.6	164	1.1
82 TO 86	73.6	3.6	2.1	5.0	7.5	1.8	.7	4.3	1.4	439	3.0
77 TO 81	65.0	4.2	2.0	6.2	10.3	3.2	1.2	6.0	1.8	883	6.0
72 TO 76	50.3	6.7	2.4	7.6	16.0	5.1	2.5	6.0	3.5	1560	10.5
67 TO 71	40.2	7.7	2.7	7.9	19.7	9.7	3.0	5.0	4.1	2221	15.0
62 TO 66	31.8	10.7	4.1	4.5	22.9	13.6	2.2	3.3	6.8	3261	22.0
57 TO 61	25.8	15.1	6.8	2.1	21.3	18.3	1.5	3.0	6.2	4220	28.5
52 TO 56	24.6	22.7	12.3	3.5	10.9	13.8	1.5	3.4	7.1	1922	13.0
47 TO 51	48.0	17.6	6.9	2.0	3.9	8.8		6.9	5.9	102	.7
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	35.3	12.0	5.3	4.6	18.1	12.3	1.9	4.1	5.4	14798	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

26264 SEATTLE, WASHINGTON FWC
STATION STATION NAME

JAN 49 - DEC 68
YEARS

AUGUST
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	50.0							50.0		4	.0
92 TO 96	75.0				12.5	6.3		6.3		16	.1
87 TO 91	56.7	3.0	3.0	10.4	7.5	3.0	1.5	13.4	1.5	67	.5
82 TO 86	63.6	1.9	3.3	5.2	8.3	3.0	1.7	9.6	3.3	363	2.4
77 TO 81	54.3	3.5	2.4	6.7	12.2	3.8	2.8	10.3	4.2	720	4.9
72 TO 76	67.9	5.7	3.0	6.0	12.6	8.0	2.9	10.8	3.1	1481	10.0
67 TO 71	34.3	7.1	3.2	7.3	21.6	11.9	3.4	6.7	4.6	2283	15.4
62 TO 66	25.5	9.4	4.9	3.9	23.6	17.3	2.4	4.8	5.3	3675	24.8
57 TO 61	23.5	13.4	6.5	2.2	20.7	21.0	2.3	3.7	6.6	4529	30.5
52 TO 56	29.5	17.7	10.8	2.9	12.5	11.7	1.4	4.0	9.7	1609	10.8
47 TO 51	30.0	9.1	9.1		3.4	3.4		3.4	21.6	88	.6
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	31.3	10.3	5.4	4.2	19.0	14.9	2.4	5.7	5.8	14835	100.0

NAVWEASERVCOM

50% FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

SEPTEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	100.0									3	.0
87 TO 91	61.1	5.6				11.1	11.1	11.1		19	.1
82 TO 86	58.3	2.8	4.7	9.4	6.6	2.8		10.4	4.7	106	.7
77 TO 81	58.3	1.6	1.3	7.7	8.0	7.7	2.6	9.3	3.5	312	2.2
72 TO 76	49.5	2.2	1.8	6.4	15.2	6.5	2.4	12.0	4.0	782	5.4
67 TO 71	44.5	3.4	2.4	5.2	19.2	9.0	2.7	9.4	4.4	1394	9.7
62 TO 66	31.0	6.5	4.4	4.9	24.0	12.4	2.5	6.1	8.2	2728	19.0
57 TO 61	25.7	9.2	6.7	4.1	23.2	16.3	2.0	4.1	8.7	4662	32.4
52 TO 56	28.9	12.7	9.3	4.1	15.6	11.3	1.9	5.6	10.4	3269	22.9
47 TO 51	38.0	17.7	10.9	1.5	7.7	4.5	1.4	6.0	12.4	962	6.7
42 TO 46	48.5	16.7	3.8		.8	2.3		9.1	18.9	132	.9
37 TO 41	100.0									3	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	32.6	9.0	6.3	4.4	19.1	11.9	2.1	6.1	8.5	14391	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

OCTOBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86					100.0					1	.0
77 TO 81	22.2		11.1	11.1	40.7	7.4			7.4	27	.2
72 TO 76	34.6	1.9	5.8	15.4	17.3	7.7		3.8	13.5	52	.3
67 TO 71	30.0	2.9	1.4	8.6	19.6	10.0	2.1	10.4	13.0	280	1.9
62 TO 66	23.0	1.9	2.4	6.9	31.8	14.4	2.7	5.7	11.2	959	6.4
57 TO 61	18.5	2.9	2.6	5.7	35.6	17.5	1.8	4.7	10.7	2819	18.9
52 TO 56	21.0	6.4	5.0	6.0	30.3	14.1	2.4	4.1	10.7	4734	31.8
47 TO 51	22.2	8.6	8.6	8.6	24.1	12.8	1.6	4.1	12.3	4056	27.3
42 TO 46	26.6	14.3	11.8	3.5	14.0	9.4	1.4	3.9	15.1	1647	11.1
37 TO 41	39.0	13.4	11.3	2.6	5.2	4.5	.7	7.4	15.6	269	1.8
32 TO 36	67.6	11.8	2.9	2.9				5.9	8.8	34	.2
27 TO 31	100.0									1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	22.2	7.0	6.2	5.7	27.2	13.6	1.9	4.5	11.8	14879	100.0

NAVWEASERVCOM

570% FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

NOVEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71									100.0	1	.0
62 TO 66	15.8	1.8	12.3	5.3	36.8	7.0		3.5	17.5	57	.4
57 TO 61	10.6	1.5	3.1	7.3	29.6	31.6	2.6	2.9	10.8	453	3.2
52 TO 56	11.9	2.9	3.5	6.9	40.5	19.6	1.7	2.7	10.2	2403	16.7
47 TO 51	15.3	6.7	5.6	7.5	34.5	14.9	1.4	3.0	11.2	4495	31.3
42 TO 46	19.2	7.4	10.1	6.8	26.6	11.3	1.3	3.7	13.6	3810	26.5
37 TO 41	25.6	12.2	13.7	5.5	13.8	7.5	1.5	4.5	14.7	2057	14.3
32 TO 36	32.6	14.9	15.2	3.4	7.5	2.1	1.3	8.7	14.3	825	5.7
27 TO 31	32.9	11.2	14.7	16.8	6.3	4.9	.7	5.6	7.0	143	1.0
22 TO 26	31.6	10.5	5.3	23.7	7.9	7.9	2.6	7.9	2.6	38	.3
17 TO 21	56.9	15.7	5.9					19.6	2.0	51	.4
12 TO 16	38.9	33.3	27.8							18	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.6	7.4	8.2	6.8	28.2	13.3	1.5	3.8	12.3	14351	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24264
STATION

SEATTLE, WASHINGTON EWC
STATION NAME

JAN 49 - DEC 68
YEARS

DECEMBER
MONTH

ALL
HOURS (L.P.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71			100.0							1	.0
62 TO 66				25.0		25.0			50.0	4	.0
57 TO 61	4.1			2.0	38.8	46.9	2.0		6.1	49	.3
52 TO 56	2.3	.7	1.1	4.5	49.3	34.1	2.3	.5	5.3	739	5.0
47 TO 51	6.1	2.8	2.8	6.0	46.2	23.5	1.4	1.2	10.1	3266	22.0
42 TO 46	11.4	4.7	7.3	7.4	35.9	16.4	1.9	2.6	12.4	4725	31.8
37 TO 41	16.2	9.6	10.8	6.3	24.9	12.1	2.1	3.5	14.6	3514	23.6
32 TO 36	21.0	13.4	15.7	8.0	13.9	5.8	1.2	4.0	16.9	1927	13.0
27 TO 31	27.1	17.0	20.3	5.7	2.1	.5	.7	6.8	19.8	424	2.9
22 TO 26	26.6	27.7	24.5	2.1	4.3	1.1	1.1	2.1	10.6	94	.6
17 TO 21	27.5	27.5	13.7	13.7	5.9	2.0	3.9	3.9	2.0	51	.3
12 TO 16	26.0	44.0	26.0	2.0				2.0		50	.3
7 TO 11	5.6	5.6	83.3					5.6		18	.1
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.8	7.1	8.6	6.7	31.9	15.9	1.7	2.7	12.7	14862	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

24244
STATION

SEATTLE, WASHINGTON FWC
STATION NAME

JAN 49 - DEC 68
YEARS

ALL
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	50.0							50.0		4	.0
92 TO 96	51.6	1.6		17.7	6.5	1.6	6.5	12.9	1.6	62	.0
87 TO 91	73.6	1.4	1.4	4.1	4.7	4.1	1.0	8.8	1.0	296	.2
82 TO 86	67.8	3.1	2.5	5.9	7.8	2.1	1.0	7.2	2.6	1087	.6
77 TO 81	61.7	3.3	2.0	6.3	10.2	4.1	2.2	7.3	2.9	2427	1.4
72 TO 76	51.5	4.8	2.4	6.9	13.6	6.4	2.7	8.0	3.7	5150	2.9
67 TO 71	41.0	5.5	2.8	7.2	19.4	10.0	3.2	6.4	4.5	8680	5.0
62 TO 66	31.7	7.3	4.0	5.5	23.5	14.0	2.7	4.6	6.5	15367	8.8
57 TO 61	23.3	9.1	5.2	4.3	24.7	17.8	2.2	3.7	7.6	25250	14.4
52 TO 56	22.0	9.1	6.4	4.9	27.1	16.3	2.0	3.3	8.9	27719	15.8
47 TO 51	17.0	6.6	5.7	5.7	33.1	17.1	1.6	2.7	10.5	29866	17.1
42 TO 46	16.4	6.3	6.9	6.2	32.6	14.6	1.3	2.7	12.9	29456	16.8
37 TO 41	20.4	8.2	8.9	6.0	26.4	11.8	1.5	3.3	13.6	18039	10.3
32 TO 36	26.9	12.1	12.7	5.7	14.3	7.1	1.3	4.8	15.1	8148	4.7
27 TO 31	30.7	17.4	18.0	6.2	6.8	3.7	.6	5.4	11.2	1920	1.1
22 TO 26	43.4	17.5	16.9	5.7	3.8	.8	.4	4.5	7.0	770	.4
17 TO 21	41.5	24.3	13.3	6.1	5.0	.4	.4	5.4	3.5	460	.3
12 TO 16	47.2	27.0	13.5	1.7	2.8		.6	2.2	5.1	178	.1
7 TO 11	34.1	9.1	36.4					11.4	9.1	44	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	24.6	7.8	5.3	5.6	26.1	14.1	1.9	3.8	9.7	174923	100.0

NAVWEASERVCOM

57094 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24244 SEATTLE WASHINGTON FWC

48-68

STATION		STATION NAME												YEARS
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC.	ANNUAL
00-02	MEAN	38.5	40.8	41.4	45.1	50.8	55.4	59.0	59.4	56.1	50.4	44.2	41.2	48.7
	S. D.	7.483	5.937	4.514	4.116	4.461	3.913	3.769	3.364	4.163	5.013	6.070	6.353	8.870
	TOTAL OBS	2006	1838	2015	1950	2108	2038	2169	2170	2100	2170	2099	2170	24833
03-05	MEAN	38.1	40.0	40.4	43.7	49.1	53.9	57.0	57.5	54.6	49.6	43.6	40.9	47.6
	S. D.	7.686	6.089	4.726	4.252	4.318	3.579	3.354	3.277	4.238	5.208	6.262	6.550	8.531
	TOTAL OBS	2007	1839	2014	1950	2107	2040	2170	2170	2100	2170	2100	2170	24837
06-08	MEAN	37.8	39.8	40.5	44.7	51.1	55.9	59.1	58.6	55.0	49.5	43.4	40.6	48.2
	S. D.	7.890	6.188	4.735	4.263	4.645	3.968	3.545	3.354	4.413	5.256	6.290	6.690	9.164
	TOTAL OBS	2011	1838	2014	1950	2107	2040	2169	2170	2100	2170	2100	2169	24838
09-11	MEAN	39.4	42.5	44.9	50.6	57.3	61.5	65.6	64.7	60.9	53.3	45.8	42.0	52.6
	S. D.	7.282	5.820	4.939	5.326	6.580	5.915	5.966	5.276	5.556	5.442	5.970	6.365	10.817
	TOTAL OBS	2011	1838	2015	1950	2108	2040	2170	2170	2099	2170	2100	2168	24639
12-14	MEAN	42.2	46.0	49.2	55.1	62.1	66.1	71.2	70.6	66.6	57.8	49.1	44.5	57.0
	S. D.	6.930	6.088	5.999	6.746	7.853	7.057	6.945	6.587	6.855	6.205	5.968	5.906	12.015
	TOTAL OBS	2009	1838	2015	1950	2108	2040	2169	2170	2100	2170	2100	2167	24836
15-17	MEAN	42.2	47.0	49.4	55.6	63.0	67.3	73.4	72.4	67.6	57.6	48.7	44.2	57.6
	S. D.	6.891	6.189	6.202	7.190	8.191	7.586	7.321	7.001	7.130	6.247	5.807	5.839	12.724
	TOTAL OBS	2009	1838	2015	1950	2108	2040	2169	2170	2099	2170	2100	2169	24837
18-20	MEAN	40.3	43.9	45.8	51.5	59.0	64.0	69.6	68.2	62.6	53.8	46.2	42.5	54.2
	S. D.	6.901	5.474	5.152	6.027	7.243	7.032	6.952	6.112	5.815	5.078	5.511	5.926	11.774
	TOTAL OBS	2012	1837	2015	1950	2107	2040	2166	2170	2100	2170	2100	2170	24837
21-23	MEAN	39.2	42.0	43.1	47.6	52.9	58.6	62.9	62.5	58.5	51.6	44.9	41.7	50.7
	S. D.	7.277	5.524	4.471	4.507	5.137	4.522	4.671	4.163	4.349	4.834	5.782	6.158	9.744
	TOTAL OBS	2010	1837	2014	1949	2106	2037	2166	2169	2098	2167	2093	2170	26416
ALL HOURS	MEAN	39.7	42.8	44.3	49.2	55.8	60.3	64.7	64.2	60.2	52.4	45.7	42.2	52.1
	S. D.	7.475	6.469	6.153	6.965	7.984	7.453	8.046	7.381	7.214	6.271	6.301	6.375	11.151
	TOTAL OBS	16075	14703	16117	15599	16859	16315	17348	17359	16796	17357	16794	17353	190675

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24244 SEATTLE WASHINGTON F.O.C.

45-68

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	37.1	39.3	39.8	43.2	48.3	52.5	55.6	56.4	53.9	48.8	42.7	39.8	46.6	
	S. D.	7.422	5.830	4.342	3.768	3.992	3.553	3.306	2.959	3.780	4.678	5.852	6.146	8.241	
	TOTAL OBS	2005	1846	2015	1950	2108	2035	2169	2170	2100	2170	2099	2170	24830	
03-05	MEAN	38.7	38.7	39.1	42.2	47.2	51.6	54.6	55.4	52.9	48.1	42.2	39.5	45.8	
	S. D.	7.648	5.969	4.547	3.943	3.966	3.362	3.082	2.890	3.852	4.827	6.041	6.367	8.130	
	TOTAL OBS	2007	1838	2014	1950	2107	2037	2170	2170	2100	2170	2100	2170	24833	
06-08	MEAN	38.4	38.4	39.0	42.7	48.2	52.6	55.6	55.9	53.1	48.0	42.0	39.5	46.1	
	S. D.	7.810	6.020	4.579	3.851	3.934	3.384	3.100	2.804	3.850	4.865	6.064	6.466	8.454	
	TOTAL OBS	2011	1836	2014	1950	2107	2037	2169	2170	2100	2170	2100	2168	24832	
09-11	MEAN	37.5	40.2	41.7	46.0	51.3	55.4	58.7	58.9	56.1	50.2	45.5	40.2	48.5	
	S. D.	7.190	5.552	4.148	3.900	4.462	3.954	3.812	3.322	3.853	4.603	5.665	6.135	8.875	
	TOTAL OBS	2011	1838	2015	1950	2108	2039	2170	2170	2099	2170	2100	2168	24834	
12-14	MEAN	39.5	42.8	44.1	48.2	53.5	57.4	61.1	61.4	58.6	52.5	45.5	41.0	50.7	
	S. D.	6.672	5.209	4.423	4.333	4.826	4.202	4.112	3.662	4.224	4.748	5.358	5.672	8.992	
	TOTAL OBS	2009	1838	2015	1950	2108	2040	2169	2168	2100	2170	2100	2167	24834	
15-17	MEAN	39.6	43.1	44.3	48.4	53.9	57.8	62.0	61.9	58.9	52.5	45.4	41.8	51.0	
	S. D.	6.682	5.166	4.524	4.389	4.938	4.442	4.153	3.668	4.299	4.753	5.354	5.694	9.19	
	TOTAL OBS	2009	1838	2015	1950	2108	2037	2169	2166	2099	2170	2100	2169	24831	
18-20	MEAN	38.4	41.4	42.6	46.6	52.4	56.6	60.6	60.4	57.0	50.8	44.1	40.7	49.5	
	S. D.	6.857	5.183	4.348	4.200	4.729	4.328	4.133	3.510	4.008	4.552	5.416	5.840	9.102	
	TOTAL OBS	2012	1837	2015	1950	2107	2037	2166	2170	2100	2170	2100	2170	24834	
21-23	MEAN	37.6	40.1	40.9	44.7	50.1	54.5	57.7	58.0	55.2	49.6	43.3	40.2	47.5	
	S. D.	7.228	5.437	4.223	3.804	4.225	3.873	3.784	3.130	3.758	4.546	5.616	5.964	8.554	
	TOTAL OBS	2010	1837	2014	1949	2106	2034	2166	2169	2098	2167	2099	2170	24815	
ALL HOURS	MEAN	37.9	40.5	41.4	45.2	50.8	54.8	58.3	58.5	55.7	50.0	43.0	40.4	48.3	
	S. D.	7.287	5.795	4.817	4.624	5.011	4.509	4.554	4.028	4.531	4.991	5.813	6.109	8.701	
	TOTAL OBS	16075	14700	16117	15599	16859	16296	17348	17353	16796	17357	16794	17352	19864	

DATA PROCESSING DIVISION
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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24244 SEATTLE WASHINGTON FNL

45-68

STATION	STATION NAME	YEARS
HRS (LST)		
00-02	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
03-05	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
06-08	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
09-11	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
12-14	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
15-17	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
18-20	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
21-23	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL
ALL HOURS	MEAN S. D. TOTAL OBS	JAN FEB MAR APR. MAY JUN JUL AUG. SEP. OCT NOV. DEC ANNUAL

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244

SEATTLE WASHINGTON FWC

46-66

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.5	98.7	96.9	92.0	79.8	46.7	87.0	2006
	03-05	100.0	100.0	100.0	99.5	98.8	97.3	92.2	80.5	46.2	87.1	2007
	06-08	100.0	100.0	100.0	99.7	99.3	97.9	93.1	80.8	45.4	87.3	2011
	09-11	100.0	100.0	100.0	99.4	98.2	95.0	87.7	71.2	36.5	84.1	2011
	12-14	100.0	100.0	99.7	98.6	95.4	88.4	77.1	52.3	23.0	79.0	2009
	15-17	100.0	100.0	99.5	98.7	95.7	89.4	77.0	55.1	24.4	79.5	2009
	18-20	100.0	100.0	100.0	99.6	98.0	93.4	88.8	70.7	35.8	84.3	2012
	21-23	100.0	100.0	100.0	99.5	97.9	93.3	90.6	76.9	42.7	85.9	2010
TOTALS		100.0	100.0	99.9	99.2	97.8	94.4	87.3	70.9	37.4	84.3	16075

USAF ETAC

FORM
JUL 64

0-87-5 (OL 1)

RELATIVE HUMIDITY

24244

SEATTLE WASHINGTON FWC

46-68

FEN

STATION

STATION NAME

PERIOD

THE NEW YORK TIMES
MONTH

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.8	99.5	98.9	97.1	92.9	80.5	47.3	87.1	1838
	03-05	100.0	100.0	99.9	99.7	99.5	98.3	94.1	83.1	51.6	88.5	1838
	06-08	100.0	100.0	100.0	99.9	99.3	98.3	94.9	84.7	50.9	88.5	1836
	09-11	100.0	99.9	99.6	99.0	98.0	95.0	85.8	62.4	28.7	82.4	1838
	12-14	99.8	99.7	99.0	97.2	92.4	82.5	62.9	36.0	13.5	73.8	1838
	15-17	100.0	99.9	99.3	97.2	91.2	80.8	61.2	37.3	15.7	73.8	1838
	18-20	100.0	100.0	99.7	99.0	97.2	93.4	83.6	60.6	25.4	81.5	1837
	21-23	100.0	100.0	99.9	99.4	98.7	96.4	92.1	75.1	39.1	85.4	1837
TOTALS		100.0	99.9	99.7	98.9	96.9	92.7	83.4	63.0	34.0	82.6	14700

USAF ETAC

FORM
111-64

0-87-5 (OL 1)

RELATIVE HUMIDITY

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	99.6	98.0	94.9	81.0	42.5	87.1	2015
	03-05	100.0	100.0	100.0	100.0	99.7	98.7	95.3	85.0	49.7	88.5	2014
	06-08	100.0	100.0	100.0	100.0	99.6	98.5	94.3	84.6	46.5	87.8	2014
	09-11	100.0	100.0	99.8	98.7	95.5	88.3	72.5	44.9	16.3	77.1	2015
	12-14	100.0	100.0	99.3	95.9	85.5	67.9	44.0	23.4	7.9	67.9	2015
	15-17	100.0	100.0	99.0	94.3	83.4	65.7	45.2	29.0	9.4	67.7	2015
	18-20	100.0	100.0	100.0	99.4	95.9	87.9	70.4	44.9	17.5	77.1	2015
	21-23	100.0	100.0	100.0	100.0	98.9	96.6	90.1	66.7	29.8	81.7	2014
TOTALS		100.0	100.0	99.7	98.5	94.7	87.7	75.8	58.6	27.4	79.6	16117

RELATIVE HUMIDITY

APK

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.8	99.4	98.3	94.1	75.7	34.7	82.7	1950
	03-05	100.0	100.0	99.9	99.8	99.5	99.3	97.4	86.3	47.4	88.5	1950
	06-08	100.0	100.0	100.0	99.9	99.8	98.3	93.7	72.0	34.2	85.5	1950
	09-11	100.0	100.0	99.8	98.0	92.4	78.4	53.2	25.2	7.5	71.0	1950
	12-14	100.0	99.7	97.6	91.8	75.4	50.2	28.7	12.9	4.4	61.6	1950
	15-17	99.9	99.6	97.0	89.1	68.4	47.3	29.7	10.1	4.9	60.7	1950
	18-20	100.0	100.0	99.8	97.0	88.7	72.1	50.8	27.7	10.5	70.3	1950
	21-23	100.0	100.0	99.9	99.7	98.4	94.3	82.3	51.9	18.8	80.1	1949
TOTALS		100.0	99.9	99.3	96.9	90.2	79.8	66.2	46.2	20.3	75.4	15599

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RELATIVE HUMIDITY

24244

SEATTLE WASHINGTON FWC

43-68

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.7	98.5	92.4	66.4	21.7	83.6	2108
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	97.5	80.4	34.5	86.9	2107
	06-08	100.0	100.0	100.0	99.9	99.4	97.9	89.6	56.3	18.1	81.9	2107
	09-11	100.0	99.8	99.2	97.3	90.8	69.8	42.0	19.9	4.6	67.6	2108
	12-14	100.0	99.5	97.5	90.1	69.5	41.7	19.9	8.4	2.4	58.4	2108
	15-17	100.0	99.8	96.6	84.9	60.7	37.6	21.3	10.3	2.5	57.0	2108
	18-20	100.0	100.0	99.3	95.4	83.0	61.4	36.6	19.2	5.7	63.7	2107
	21-23	100.0	100.0	100.0	99.8	98.4	92.6	72.9	37.4	11.0	76.9	2106
TOTALS		100.0	99.9	99.1	95.9	87.7	74.9	59.0	30.9	12.6	72.3	16859

RELATIVE HUMIDITY

JUN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	99.5	12.8	63.7	14.2	82.7	2035
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.8	79.0	24.2	83.9	2037
	06-08	100.0	100.0	100.0	100.0	99.9	98.6	87.8	53.7	12.5	80.8	2037
	09-11	100.0	100.0	99.8	99.0	94.3	72.2	42.7	18.9	4.8	68.7	2039
	12-14	100.0	99.9	99.1	93.9	73.8	43.5	21.9	10.1	3.1	60.0	2040
	15-17	100.0	99.7	98.5	90.7	64.7	37.1	20.5	10.0	2.9	57.9	2037
	18-20	100.0	100.0	99.4	96.1	83.8	58.9	34.3	19.7	4.7	64.9	2037
	21-23	100.0	100.0	99.9	99.9	99.1	92.9	71.3	34.9	7.9	76.3	2034
TOTALS		100.0	99.9	99.6	97.4	89.6	75.3	58.6	33.7	9.3	72.1	16296

RELATIVE HUMIDITY

JUL

MONTH

MONTH	HOURS (L S T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	98.3	89.9	55.3	11.2	81.1	2169
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.8	79.6	23.4	83.7	2170
	06-08	100.0	100.0	100.0	100.0	99.8	98.7	88.1	53.4	11.8	80.9	2164
	09-11	100.0	100.0	99.9	99.2	92.9	71.2	38.9	13.5	2.9	67.3	2170
	12-14	100.0	99.9	99.4	93.8	68.7	36.7	15.3	5.1	1.3	57.3	2169
	15-17	100.0	100.0	98.5	87.2	54.8	27.4	11.5	4.2	1.1	53.8	2169
	18-20	100.0	100.0	99.6	93.2	77.8	47.7	21.8	7.9	1.7	60.6	2166
	21-23	100.0	100.0	100.0	99.9	98.0	90.3	64.6	23.8	4.6	73.8	2166
TOTALS		100.0	100.0	99.7	96.9	86.0	71.3	53.5	30.6	7.2	70.1	17343

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RELATIVE HUMIDITY

24244

45-68

AUG

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.9	99.5	95.4	68.7	16.3	83.6	2170
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.0	54.7	32.9	87.3	2170
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	95.9	72.7	23.0	84.9	2170
	09-11	100.0	100.0	99.9	99.5	96.7	82.4	55.6	22.3	3.9	71.6	2170
	12-14	100.0	100.0	99.2	94.0	76.8	47.0	21.7	7.1	1.7	60.3	2168
	15-17	100.0	99.9	98.7	89.1	62.3	35.0	13.4	6.6	1.8	26.5	2166
	18-20	100.0	100.0	99.7	96.7	86.1	62.4	32.5	13.3	3.3	63.0	2170
	21-23	100.0	100.0	100.0	99.9	99.3	94.7	75.6	36.4	7.0	76.8	2169
TOTALS		100.0	100.0	99.7	97.5	90.1	77.6	61.4	39.8	11.3	73.3	17353

USAF ETAC

FORM
JUL 64

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MONTH

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RELATIVE HUMIDITY

24244 SEATTLE WASHINGTON FWC

45-08

JCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.7	98.0	89.3	48.0	89.4	2170
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	98.4	89.9	54.8	90.3	2170
	06-08	100.0	100.0	100.0	100.0	99.6	99.4	98.2	87.4	52.0	89.9	2170
	09-11	100.0	100.0	100.0	100.0	99.0	95.4	82.6	54.5	21.2	81.0	2170
	12-14	100.0	100.0	100.0	98.8	93.0	76.5	49.2	27.1	7.3	70.9	2170
	15-17	100.0	100.0	100.0	99.3	94.0	78.8	52.3	28.2	9.0	71.8	2170
	18-20	100.0	100.0	100.0	100.0	99.7	97.1	88.1	59.2	17.7	81.8	2170
	21-23	100.0	100.0	100.0	100.0	100.0	99.4	96.5	81.3	34.7	86.9	2167
TOTALS		100.0	100.0	100.0	99.7	93.2	93.2	82.9	64.7	30.7	82.7	17357

RELATIVE HUMIDITY

NDV

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.7	98.9	96.5	84.6	49.6	83.8	2099
	03-05	100.0	100.0	100.0	100.0	99.6	98.9	96.2	80.6	54.1	89.5	2100
	06-08	100.0	100.0	100.0	100.0	99.6	98.9	95.8	80.0	51.1	89.1	2100
	09-11	100.0	100.0	100.0	99.9	98.9	96.4	88.2	50.8	30.0	83.8	2100
	12-14	100.0	100.0	99.8	92.7	95.8	86.2	67.8	42.4	17.2	76.4	2100
	15-17	100.0	100.0	100.0	99.5	97.5	90.0	72.6	46.9	20.1	78.3	2100
	18-20	100.0	100.0	100.0	99.7	99.2	97.6	92.0	72.1	31.3	84.9	2100
	21-23	100.0	100.0	100.0	100.0	99.5	98.5	95.8	82.1	43.3	87.6	2095
TOTALS		100.0	100.0	100.0	99.7	98.7	95.7	83.1	71.0	37.1	84.8	16794

DATA PROCESSING DIVISION
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ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244

SEATTLE WASHINGTON FWC

45-68

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.8	98.6	95.2	82.1	49.0	85.2	2170
	03-05	100.0	100.0	100.0	100.0	99.9	98.7	95.6	84.4	50.7	88.0	2170
	06-08	100.0	100.0	100.0	100.0	99.8	98.6	96.6	86.0	51.0	88.9	2168
	09-11	100.0	100.0	100.0	99.5	99.3	97.6	92.3	74.2	38.5	85.8	2168
	12-14	100.0	100.0	99.9	99.4	97.7	93.8	81.3	54.8	25.2	80.7	2167
	15-17	100.0	100.0	99.9	99.5	98.3	95.3	84.2	58.0	25.4	81.6	2169
	18-20	100.0	100.0	99.9	99.7	99.1	97.9	93.8	75.5	49.3	85.9	2170
	21-23	100.0	100.0	100.0	99.9	99.4	97.4	93.9	80.8	44.4	87.2	2170
TOTALS		100.0	100.0	99.9	99.8	99.2	97.2	91.6	74.5	40.5	85.9	17352

USAF ETAC

FORM
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

24244

SEATTLE WASHINGTON FWC

45-68

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.9	99.3	97.8	94.4	87.3	70.9	37.4	84.3	16075
FEB		100.0	99.9	99.7	98.9	96.9	92.7	83.4	65.0	34.0	82.6	14700
MAR		100.0	100.0	99.7	98.5	94.7	87.7	75.8	56.6	27.4	79.6	16117
APR		100.0	99.9	99.3	96.9	90.2	79.8	66.2	46.2	20.3	75.4	15399
MAY		100.0	99.9	99.1	95.9	87.7	74.9	59.0	36.9	12.6	72.3	16839
JUN		100.0	99.9	99.6	97.4	89.4	75.3	58.6	35.7	9.3	72.1	16296
JUL		100.0	100.0	99.7	96.9	86.6	71.3	53.5	30.6	7.2	70.1	17348
AUG		100.0	100.0	99.7	97.5	90.1	77.6	61.4	38.8	11.3	73.3	17353
SEP		100.0	100.0	99.7	98.2	93.4	83.3	70.5	50.5	20.7	77.4	16796
OCT		100.0	100.0	100.0	99.7	98.2	93.2	82.9	64.7	30.7	82.7	17357
NOV		100.0	100.0	100.0	99.7	98.7	95.7	88.1	71.0	37.1	84.8	16794
DEC		100.0	100.0	99.9	99.8	99.2	97.2	91.6	74.5	40.5	85.9	17352
TOTALS		100.0	100.0	99.7	98.2	93.6	85.2	73.1	53.3	23.9	78.3	198646

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

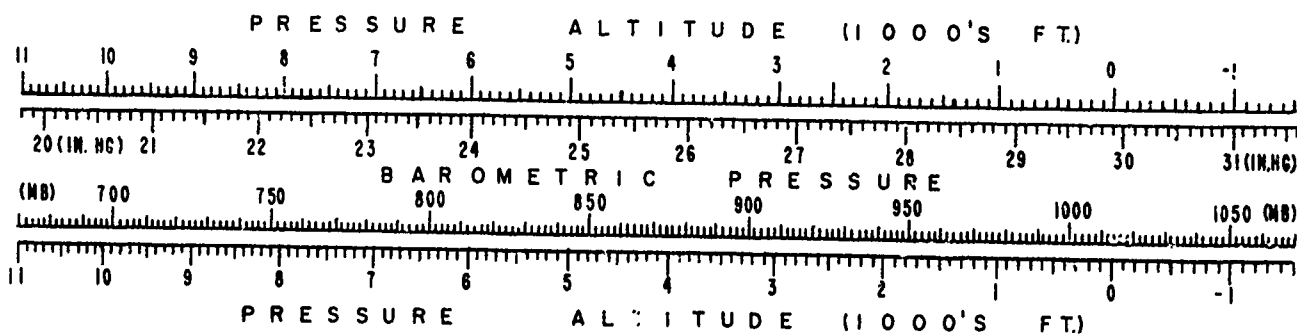
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

24244 SEATTLE WASHINGTON F40

46-83

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	29.991	29.998	29.955	30.001	29.996	29.980	29.997	29.981	29.973	29.983	29.985	29.975	29.985	
	S. D.	.314	.280	.252	.209	.157	.127	.107	.103	.148	.220	.266	.306	.227	
	TOTAL OBS	710	650	713	689	713	690	709	713	690	713	690	713	8393	
04	MEAN	29.994	29.997	29.951	29.993	29.999	29.983	30.006	29.984	29.975	29.981	29.990	29.976	29.986	
	S. D.	.316	.280	.254	.206	.158	.129	.113	.106	.150	.226	.266	.306	.222	
	TOTAL OBS	710	650	713	689	713	690	709	713	690	712	690	713	8392	
07	MEAN	29.991	30.000	29.957	30.011	30.013	29.997	30.022	29.989	29.990	29.989	29.995	29.973	29.994	
	S. D.	.318	.269	.259	.211	.159	.131	.114	.106	.153	.223	.267	.307	.248	
	TOTAL OBS	712	649	712	690	713	690	709	713	690	713	690	712	8393	
10	MEAN	29.999	30.017	29.970	30.010	30.011	29.995	30.023	30.007	29.996	30.003	29.998	29.994	30.002	
	S. D.	.319	.280	.257	.207	.159	.130	.110	.106	.153	.224	.266	.307	.250	
	TOTAL OBS	712	650	713	690	713	690	709	713	690	712	690	712	8394	
13	MEAN	29.987	29.991	29.953	29.999	29.992	29.980	30.006	29.988	29.974	29.981	29.991	29.973	29.984	
	S. D.	.319	.276	.258	.202	.157	.132	.107	.106	.150	.221	.263	.305	.225	
	TOTAL OBS	710	650	713	690	712	690	708	713	690	713	690	712	8391	
16	MEAN	29.984	29.982	29.933	29.978	29.970	29.964	29.980	29.947	29.952	29.967	29.980	29.965	29.967	
	S. D.	.313	.270	.246	.197	.155	.127	.107	.106	.145	.218	.262	.304	.242	
	TOTAL OBS	711	650	713	690	713	690	708	713	689	713	690	713	8393	
19	MEAN	29.986	29.980	29.933	29.976	29.967	29.958	29.968	29.953	29.951	29.972	29.982	29.967	29.967	
	S. D.	.314	.271	.250	.194	.154	.126	.107	.103	.144	.220	.265	.306	.217	
	TOTAL OBS	712	650	713	690	712	690	708	713	690	713	690	713	8394	
22	MEAN	29.994	29.993	29.953	29.998	29.990	29.971	29.990	29.973	29.960	29.983	29.986	29.976	29.980	
	S. D.	.316	.273	.249	.196	.155	.124	.107	.104	.149	.221	.263	.305	.231	
	TOTAL OBS	712	649	712	690	713	690	707	713	690	713	688	712	8389	
ALL HOURS	MEAN	29.991	29.995	29.950	29.997	29.992	29.979	29.999	29.978	29.972	29.982	29.989	29.975	29.983	
	S. D.	.318	.279	.253	.216	.157	.141	.111	.114	.165	.222	.266	.306	.237	
	TOTAL OBS	5649	5198	5702	5513	5702	5520	5667	5704	5519	5702	5513	5700	67139	

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

24246 SEATTLE WASHINGTON TWC

46-88

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR.	APR	MAY	JUN.	JUL	AUG	SEP	OCT.	NOV	DEC	ANNUAL	
01	MEAN	1017.0	1017.0	1016.3	1017.9	1017.7	1017.1	1017.7	1017.1	1016.9	1017.4	1017.6	1016.9	1017.3	
	S. D.	10.672	9.496	8.548	6.737	5.294	4.302	3.637	3.536	5.057	7.594	9.005	10.383	7.454	
	TOTAL OBS	711	649	713	688	712	690	709	713	690	711	690	713	8389	
04	MEAN	1017.6	1017.7	1016.7	1017.8	1017.8	1017.2	1017.9	1017.2	1016.9	1017.3	1017.4	1017.0	1017.3	
	S. D.	10.740	7.504	8.620	6.990	5.351	4.376	3.677	3.604	5.083	7.657	9.047	10.418	7.517	
	TOTAL OBS	711	620	713	689	713	690	708	713	690	710	690	713	8320	
07	MEAN	1017.5	1017.3	1016.5	1018.2	1018.2	1017.7	1018.6	1017.9	1017.4	1017.5	1017.6	1016.9	1017.7	
	S. D.	10.784	9.493	8.668	7.087	5.389	4.417	3.654	3.636	5.189	7.376	9.041	10.419	7.531	
	TOTAL OBS	713	620	711	689	713	690	709	713	690	709	690	713	8390	
10	MEAN	1018.0	1018.4	1018.0	1018.4	1018.2	1017.6	1018.0	1018.0	1017.7	1018.0	1018.2	1017.5	1018.0	
	S. D.	10.835	9.439	8.728	7.022	5.386	4.408	3.671	3.614	5.204	7.461	9.067	10.469	7.540	
	TOTAL OBS	713	620	713	689	713	690	709	713	690	709	690	712	8391	
13	MEAN	1017.4	1017.7	1018.2	1017.8	1017.5	1017.2	1018.0	1017.4	1016.9	1017.3	1017.5	1016.7	1017.3	
	S. D.	10.740	9.291	8.556	6.854	5.318	4.401	3.806	3.608	5.073	7.336	8.989	10.402	7.459	
	TOTAL OBS	712	649	712	689	712	690	708	713	690	709	690	712	8380	
16	MEAN	1017.3	1017.2	1018.0	1017.1	1016.8	1016.6	1017.1	1016.5	1016.1	1016.8	1017.1	1016.6	1016.7	
	S. D.	10.662	9.131	8.334	6.669	5.248	4.309	3.638	3.559	4.906	7.201	8.899	10.309	7.340	
	TOTAL OBS	712	690	710	689	713	690	708	713	690	709	690	713	8387	
17	MEAN	1017.4	1017.3	1018.7	1017.0	1016.7	1016.4	1016.7	1016.2	1016.1	1016.9	1017.2	1016.6	1016.7	
	S. D.	10.662	9.139	8.333	6.583	5.136	4.232	3.634	3.512	4.877	7.223	8.983	10.373	7.334	
	TOTAL OBS	713	648	711	690	712	690	708	713	690	710	690	712	8388	
22	MEAN	1017.7	1017.0	1016.2	1017.8	1017.5	1017.0	1017.4	1016.9	1016.7	1017.4	1017.4	1017.0	1017.2	
	S. D.	10.688	9.344	8.436	6.674	5.091	4.222	3.631	3.531	4.960	7.030	8.074	10.332	7.400	
	TOTAL OBS	712	650	712	690	712	690	708	713	690	711	688	713	8389	
ALL HOURS	MEAN	1017.0	1017.7	1016.2	1017.7	1017.6	1017.1	1017.8	1017.1	1016.8	1017.3	1017.5	1016.9	1017.4	
	S. D.	10.727	9.344	8.540	6.841	5.296	4.392	3.719	3.622	5.067	7.444	9.013	10.386	7.458	
	TOTAL OBS	5697	5197	5693	5513	5700	5520	5667	5704	5520	5678	5518	5701	67110	

PERCENTAGE OCCURRENCE OF CROSS-WINDS

INTRODUCTION

The data used to prepare these cross-wind charts are taken from Navy SMOS (Summary of Meteorological Observations, Synoptic). A cross-wind is defined as the component of the wind at right angles to a runway.

A. Cross-winds to a Single Runway.

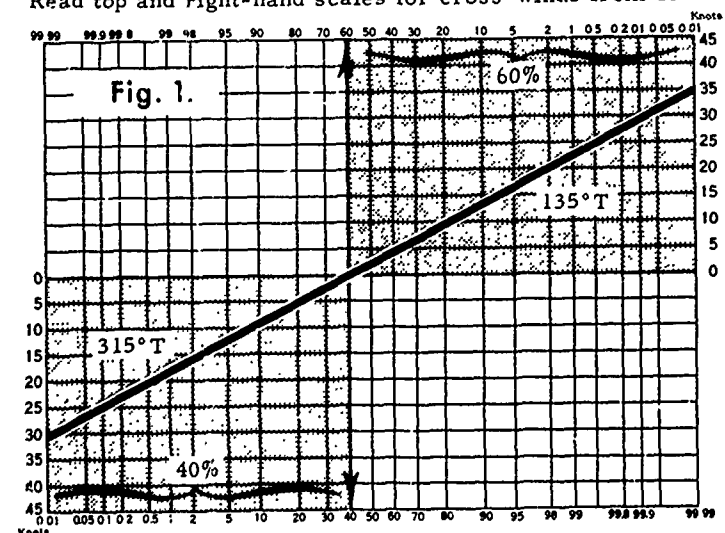
Cross-winds to a runway, in general, are distributed normally. Therefore, the mean and variance may be used to describe the distribution. A straight line, then, may be used on arithmetic probability paper to show the distribution of cross-winds to a particular runway. Such a distribution is shown in Figs. 1 and 2. The speed scales on the sides are linear, that is, the scale intervals are equal. The scales at the bottom and top are not exactly linear and this should be considered in interpolation.

Figs. 1 and 2 represent the distribution of cross-winds to a runway oriented NE-SW, that is, 045-225°T. Cross-winds to the runway bearing 045-225°T will be from 135°T or from 315°T.

The zero line is the dividing line between cross-winds from 135°T and cross-winds from 315°T.

Fig. 1 shows 60% of the cross-winds to be from 135°T and 40% to be from 315°T.

Read top and right-hand scales for cross-winds from 135°T



Read bottom and left-hand scales for cross-winds from 315°T

PERCENTAGE OCCURRENCE OF CROSS-WINDS

RUNWAY ORIENTED 045-225°T.

8.0% are greater than 10 knots and from 315°T
20.0% are greater than 10 knots and from 135°T

28.0% are greater than 10 knots and from either side.

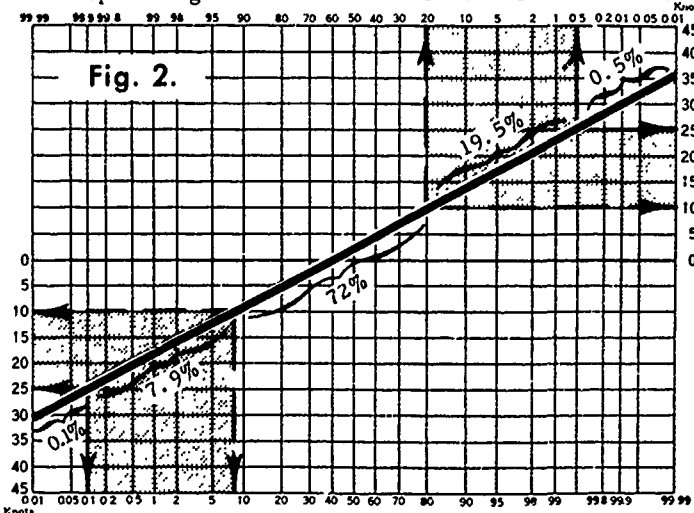
0.1% are greater than 25 knots and from 315°T
0.5% are greater than 25 knots and from 135°T

0.6% are greater than 25 knots and from either side.

32.0% (40.0% - 8.0%) are 10 knots or less and from 315°T
40.0% (60.0% - 20.0%) are 10 knots or less and from 135°T

72.0% are 10 knots or less and from either side.

Read top and right-hand scales for cross-winds from 135°T



Read bottom and left-hand scales for cross-winds from 315°T

PERCENTAGE OCCURRENCE OF CROSS-WINDS

The cross-wind to a runway complex is defined as the minimum of the cross-winds computed simultaneously for each of the several runways of the complex. As an example, an easterly wind of 10 Kts results in a 10 Kt cross-wind to a runway oriented North-South. However, if a second runway oriented East-West is present, this same wind results in a zero cross-wind, both to the East-West runway and the two-runway complex.

Cross-winds to a runway complex are not distributed normally and cannot be treated in the same way as those to a single runway. The transformation function $(\sqrt{x} + \sqrt{x+1})$ changes the vertical scale on arithmetic probability paper to the one shown on Fig. 3. Here, "x" is a cross-wind value. Using this transformation, in general, cross-winds to a runway complex are distributed normally. The line of best fit is then drawn for plotted minimum cross-wind data. Read the percentage of occurrence equal to or less than a desired value from the bottom or top scale. The scale values have been separated for easier reading. Subtract the reading for a desired value from 100% to obtain the percentage occurrence greater than the desired value.

PERCENTAGE OCCURRENCE OF MINIMUM CROSS-WINDS TO A RUNWAY COMPLEX (Fig. 3)

97% are 15 knots or less; 3% (100-97) are greater than 15 knots

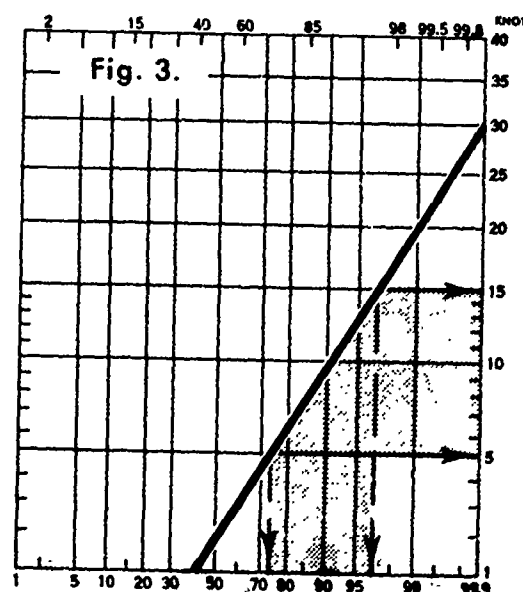
74% are 5 knots or less; 26% (100-74) are greater than 5 knots

23% (97-74) are between 6 and 15 knots, inclusive.

RUNWAYS INCLUDED IN COMPLEX

090°-270°T

180°-360°T



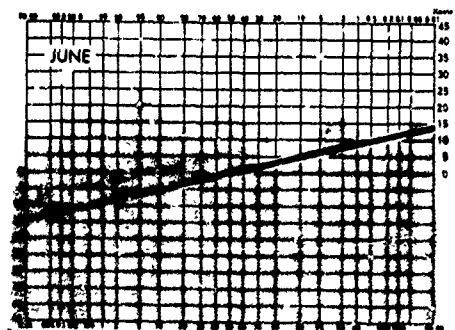
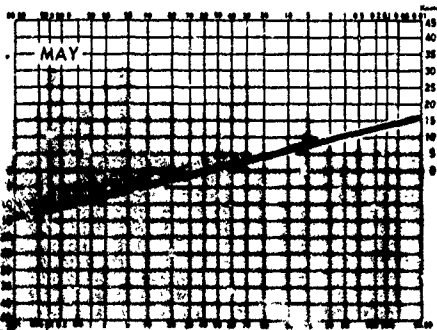
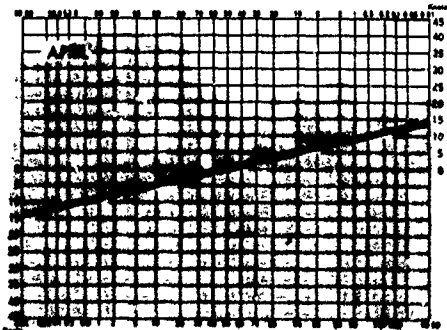
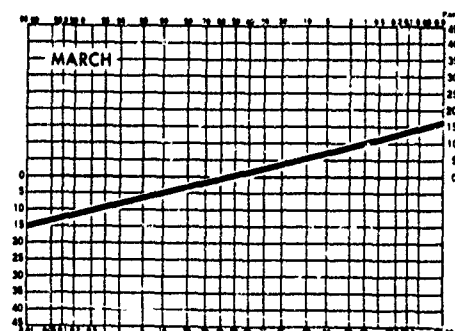
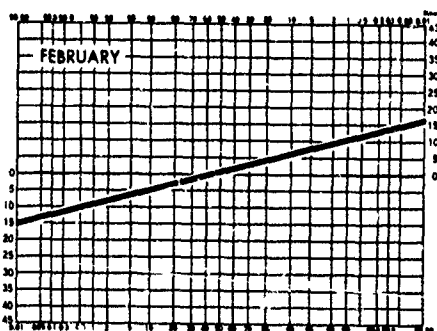
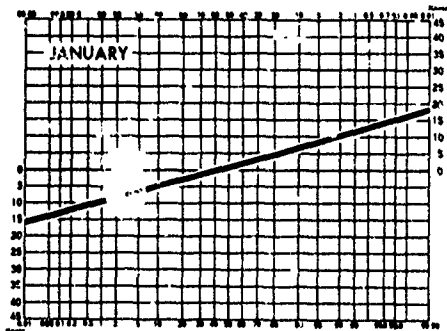
C

STATION: NWS ED SEATTLE, WASHINGTON PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 032°T-212°T

READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 122°T

READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 302°T



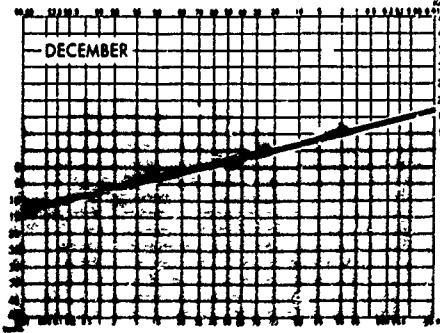
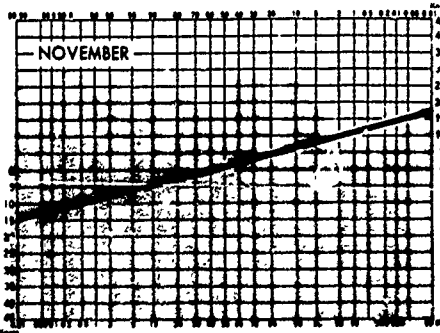
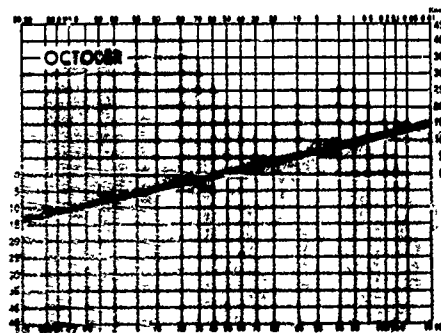
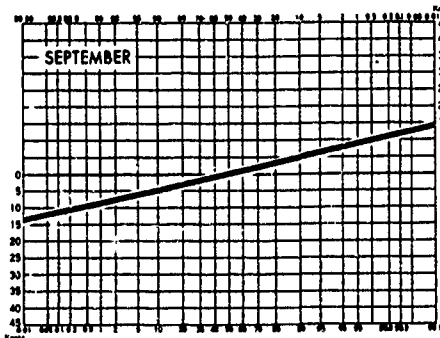
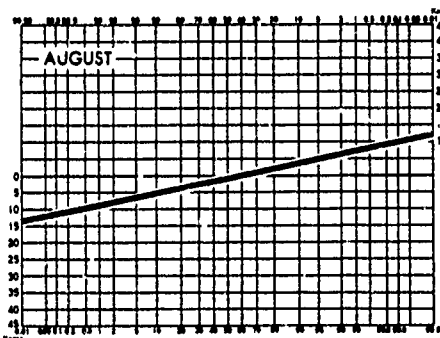
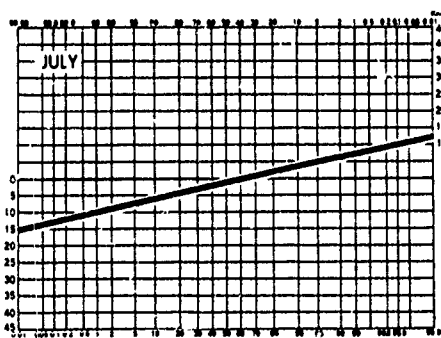
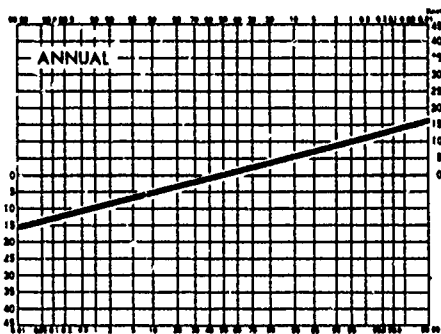
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PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 032°T-212°T

STATION: NWS SEATTLE, WASHINGTON

PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 122°T
READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 302°T



952000-10A-1000000

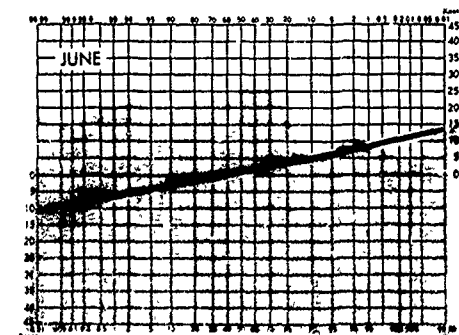
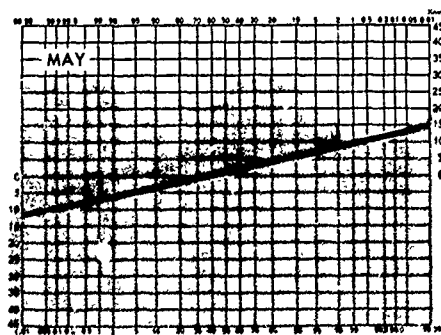
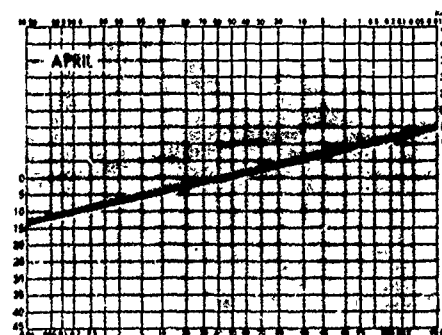
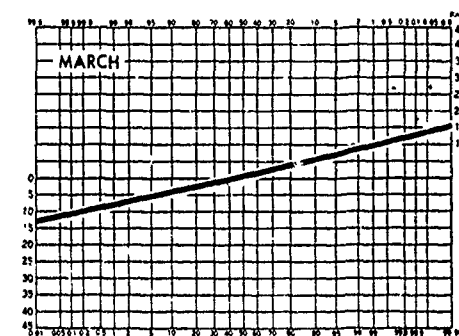
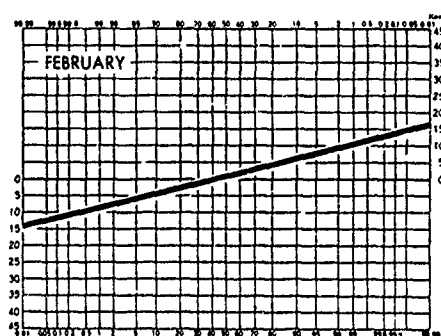
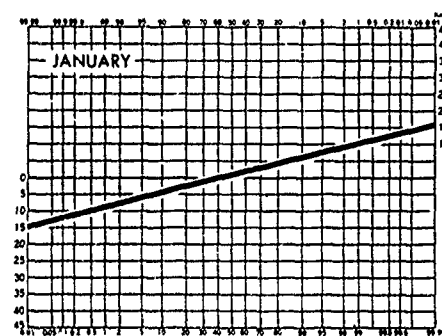
PERCENTAGE OCCURRENCE OF CROSS-WINDS

STATION: NWSED SEATTLE, WASHINGTON PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 162°T—342°T

READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 252°T

READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 072°T

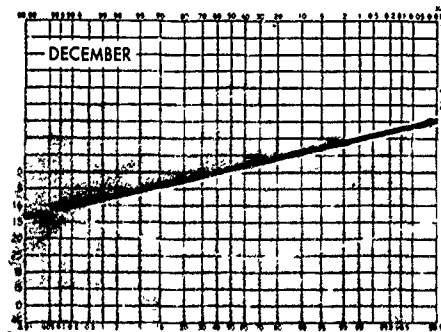
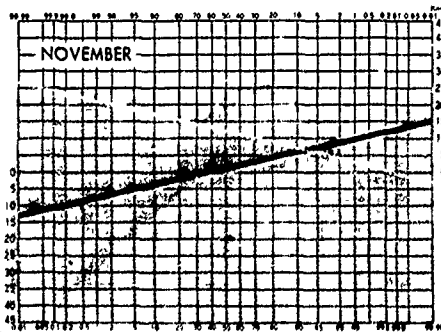
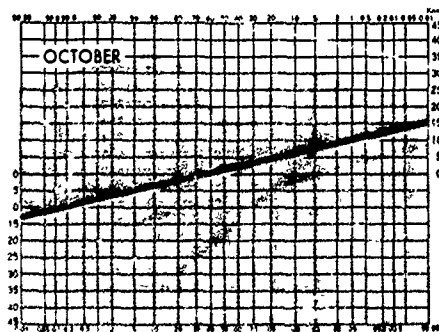
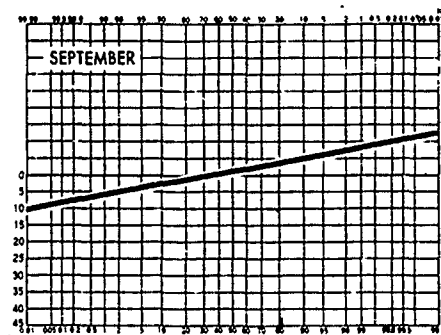
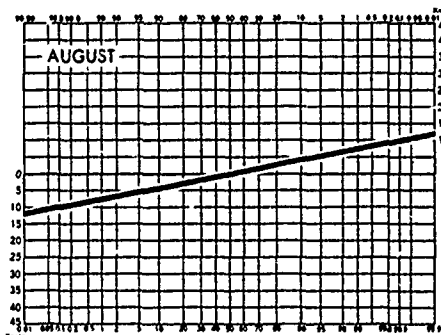
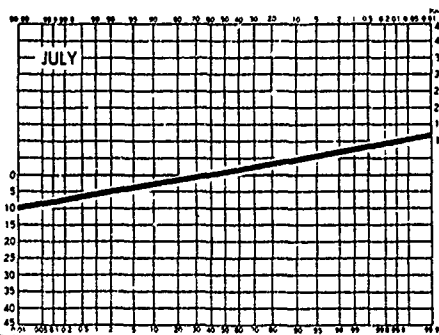
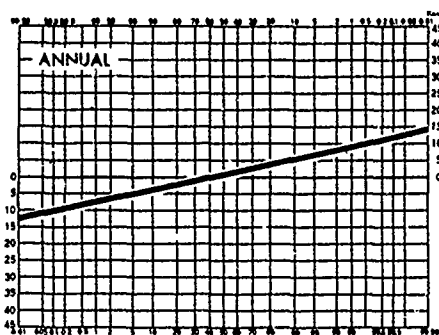


PERCENTAGE OCCURRENCE OF CROSS-WINDS TO RUNWAY ORIENTED 162°T-342°T

STATION: NWSED SEATTLE, WASHINGTON

PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

READ TOP AND RIGHT-HAND SCALES FOR CROSS-WINDS FROM 252°T
READ BOTTOM AND LEFT-HAND SCALES FOR CROSS-WINDS FROM 072°T

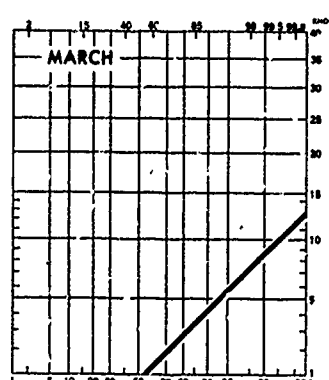
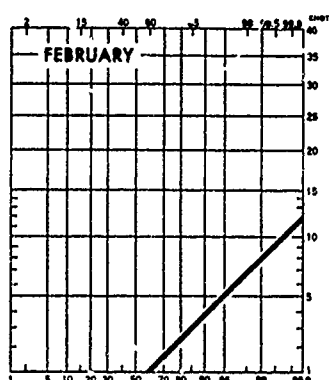
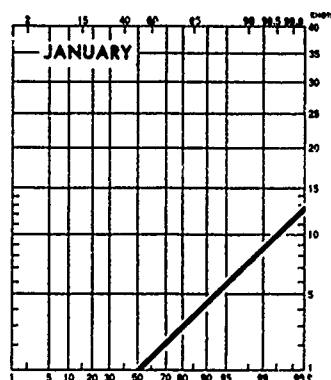


WFO-1111 11/11/68

PERCENTAGE OCCURRENCE OF MINIMUM CROSS-WINDS TO RUNWAY COMPLEX

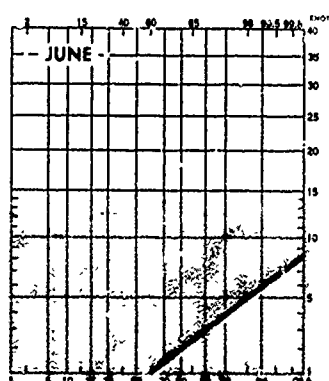
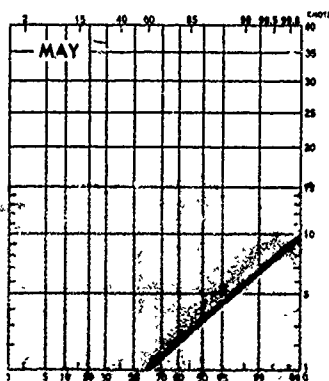
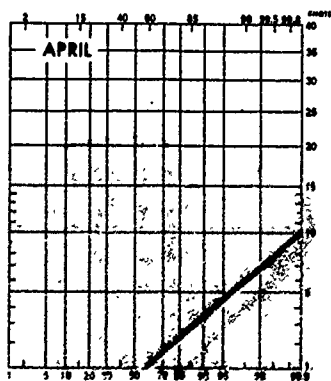
STATION: NWSED SEATTLE, WASH.

PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968



RUNWAYS
INCLUDED IN
COMPLEX

032°T-212°T
162°T-342°T



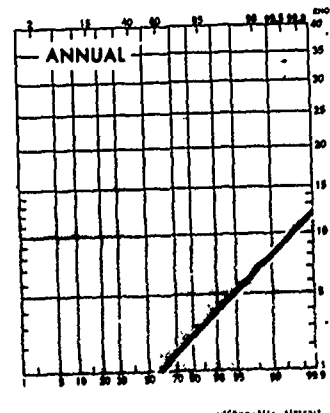
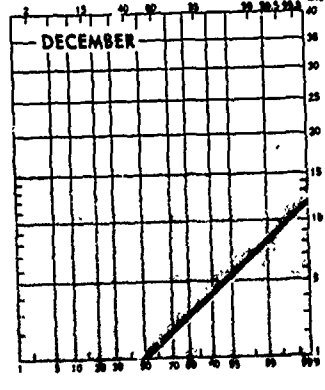
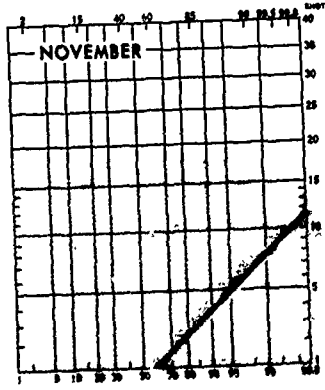
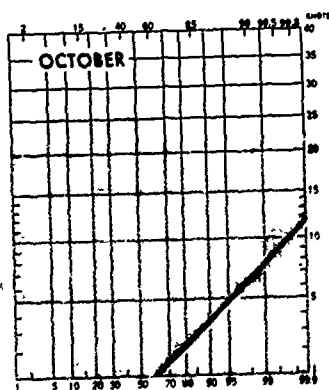
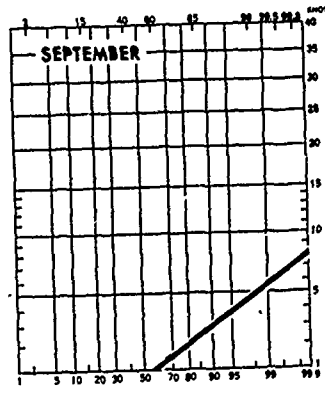
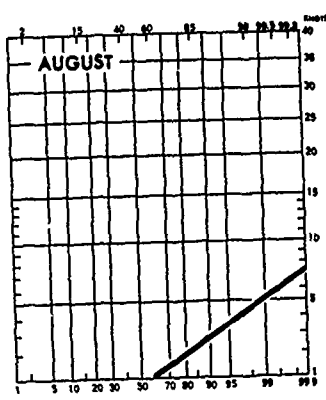
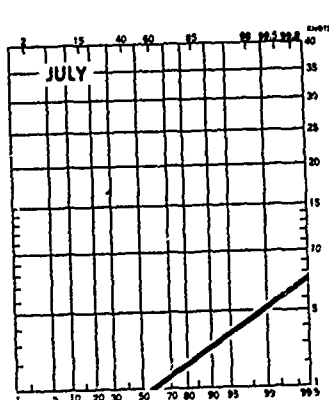
PERCENTAGE OCCURRENCE OF MINIMUM CROSS-WINDS TO RUNWAY COMPLEX

STATION: NWS ED SEATTLE, WASH.

PERIOD OF RECORD: JANUARY 1949 — DECEMBER 1968

RUNWAYS
INCLUDED IN
COMPLEX

032°T-212°T
162°T-342°T



WFO-111a 11/1/68

AN EXPLANATION AND APPLICATION OF A WIND ROSE DIAGRAM

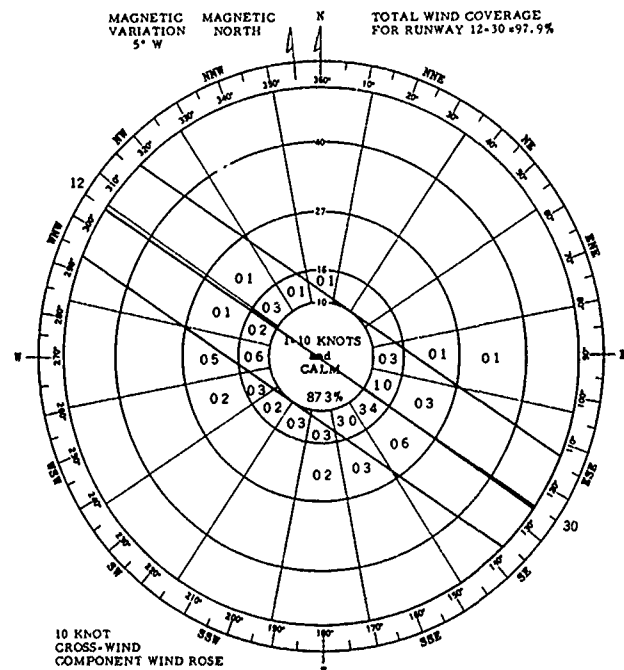
The surface wind rose diagram was constructed using the data from Part C of this Summary. The annual percentage frequencies include all weather classes, all months and all hours. These data have been grouped according to the wind-rose speed criterion. All wind speeds are expressed in knots.

To determine the desirable primary runway direction, it is suggested that an overlay with three parallel lines be used. (In the sample diagram below, the overlay is drawn for purposes of illustration.) One line is the center line and the other two are tangent to the innermost circle. The centerline, representing the center line of the runway, should be placed across the center of the wind rose and rotated until the maximum percentage is obtained by adding all the numerals appearing between the outside lines. Fractional portions of segments are to be included. To determine the most desirable orientation the sum of the numerals appearing within the outside lines should be equal to or greater than 95 percent.

A cross-wind is a wind having a component which is directed perpendicular to the axis of the runway. Thus, the percentage frequency of cross-winds for a station can be obtained by summing the numerals appearing outside the tangential lines.

The radial lines of the wind rose represent compass directions based on true north. The numbering and marking of the runways are designated according to magnetic north.

A 10 knot cross-wind component wind rose has been constructed as a sample application. The sum of all the numerals, including fractional portions, appearing within the outside lines equals 97.9 percent. The direction of the proposed runway (12-30) may be shifted slightly because of obstructions in the approach zone or other reasons.



C

N
A



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